

# **VISITOR MANAGEMENT SYSTEM**

Project report submitted in partial fulfilment of Requirement for the award of

Degree of

Bachelor of science

By

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**VISAKHAPATNAM**

# CERTIFICATE

This is to certify that the project report "VISITOR MANAGEMENT SYSTEM"

Submitted By

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Record of the work carried out by him in partial fulfilment of the requirement for the award of the degree of bachelor of science (Computer Science), as prescribed by the Dr. V.S. Krishna Government Degree and P.G college (A) in the Academic year 2020-2023.

Guide

Dr. Y. Jahnavi

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Last but not least we express our extreme gratitude to the Almighty, without whose blessing nothing is possible.

## DECLARATION

I hereby declare that this project report entitled "VISITOR MANAGEMENT SYSTEM" is the result of original work done by me and to the best of my knowledge similar work has been submitted previously to any other university or published any time before. This project is submitted on the partial fulfilment the requirement for the award of degree of Bachelor of science.

DASARI KOTEESWARA RAO

# **TABLE OF CONTENTS**

**ABSTRACT**

**OBJECTIVES**

## **1. INTRODUCTION**

- 1.1 Background of study
- 1.2 Statement of problem
- 1.3 Significance of study

## **2. ANALYSIS**

- 2.1 Theoretical background
- 2.2 Analysis and Limitations of Existing system
- 2.3 The need of new system

## **3. SYSTEM DESIGN METHODOLOGY**

- 3.1 Project planning
- 3.2 Feasibility study

## **4. SYSTEM DESIGN**

- 4.1 System requirement
- 4.2 System design
- 4.3 Analysis of Existing system
- 4.4 Analysis of proposed system
- 4.5 Design of the proposed system

## **5. SYSTEM IMPLEMENTATION**

- 5.1 Choice of development environment
- 5.2 Documentation
- 5.3 Source code
- 5.4 Implementation Architecture
- 5.5 Software testing

## **6. CONCLUSION**

6.1 Conclusion

6.2 Recommendations for future work

## **7. REFERENCES**

# **ABSTRACT :**

Information Technology plays a significant part in all real-time systems. Various management systems are in place to help the company organization achieve profit, standards, and future commercial growth. The VMS (Visitor Management System) is important for monitoring how many visitors are there, what the objective of the facility visit will be, and who will be put in the block listed record due to rule violation. This technology also protects the building's overall security. The goal of this system is to synchronize the organization's business and visitors in order to achieve a wonderful connection among organizations globally. The main aim of this research is to implement a web based system that can secure the information of visitors to a company.

This system is a well – structured system and easy to use the languages used to develop this system are

1. PHP(personal home page)
2. HTML(hyper text mark up language) and
3. Data base is MYSQL

Company Visitor Management System deals with the security provided at company premises from the unauthenticated or unwanted visitors. Nowadays, in most organizations Visitor management consists of Visitors scribbling their name in a paper book. Instead, Company Visitor Management System will assist you the professionalized way in which you welcome your visitors. This software is a complete Visitor Management service to improve the efficiency, productivity, security.

# **OBJECTIVES:-**

1. Keeping track of visitors' arrival, presence, and departure on the premises and taking appropriate action.
2. To Improving the health and safety of employees in the workplace.
3. To make it easier for diverse types of visitors to enter at a high level of hospitality.
4. Individualize the visitor's treatment based on their level of access.
5. To improve visitor guidance and orientation so that they can securely arrive at their destination.
6. to promoting the use of touch less access solutions.
7. To ensure that people and surfaces come into contact as little as possible.
8. To be prepared in the future for unforeseeable circumstances.

# **CHAPTER – 1**

# **INTRODUCTION**

# **INTRODUCTION:-**

Think about what happens when visitors arrive at your office. Who greets them? A smiling receptionist who makes them feel welcome by engaging them on a personal level? Or one who's obviously hassled and hasn't had enough coffee because they've been chained to the desk all day? Maybe no one's there to greet visitors at all. Then what do they do? Hang out until an employee walks by or start knocking on random doors? Many buildings have unattended lobbies and unlocked doors, which means anyone could walk into any office at any time.

These simple scenarios take place every day in offices worldwide. And they illustrate the need for visitor management. In particular, they show why you need a digital check-in system, known as a visitor management system.

**Visitor management system**, typically refer as a structure to keep tracking visitor's activities in organization or public building. It can provide necessary output and information to the users and record the incoming and out coming visitors within the shortest time. Nevertheless, VMS also capable to streamline the registration process and provide an authentic and integrated data of the visitors. Generally, there are many organisations or school are still using the conventional paper log or guest book to record the access of the visitors. This manual method consumes longer time when the number of visitors is exceeded the limit. Meanwhile, an increasing number of visitors indicate that the security issues should be concern in the organisation or school.

This is mainly because the operators are lack of time to verify the identification of each visitor when they are tons of guests entering the building. Moreover, paper log is inadequate to offer greater traceability in which cannot be archived or efficiently retrieved after several years.

Due to above circumstances, VMS contribute a good solution to solve the problems exist in the conventional method.

## **VISITOR MANAGEMENT SYSTEM BEFORE THE DIGITAL REVOLUTION:**

The old fashioned version of a visitor management system is the sign-in sheet -- a piece of paper usually kept on a clipboard or in a binder at the front desk. When a visitor arrives, they write down their name, who they're there to see, and the time. Then the staff member sitting at the front desk notifies the host that their visitor is waiting in the lobby.

At some point, that sign-in sheet gets filed away, or shredded, and a new sheet appears on the clipboard to record the next 10 or so visitors. It's not a particularly good visitor management system (and certainly not environmentally

friendly). But it does work -- as long as you don't need an easily searchable visitor log, visitor photos, and ID badges. But that doesn't hack it for most companies today.

Most companies can't afford to pay someone just to man the front desk. Receptionist salaries can reach \$36K, and that's before taxes, benefits, and overhead! Businesses also need tighter security than a pen and paper can provide.

And -- let's face it -- no company wants to look old-fashioned, especially when it comes to technology. You want to look innovative and modern. You want to show your customers, your job applicants, and the world that you're on the cutting edge.

## **VISITOR MANAGEMENT SYSTEMS TODAY:**

Today, companies are eschewing binders, pens, and paper in favour of digital visitor management systems, like The Receptionist for iPod.

A digital visitor management system does the core job of checking in visitors. But it also does many things a pen and paper can't:

- Maintain a cloud-based visitor log.
- Take photos of your visitors to help you identify them.
- Print visitor ID badges, customized with your company's logo.
- Capture signatures for NDAs and other legal agreements.
- Accept deliveries from UPS, FedEx, and other courier services.
- Send SMS, email, and Slack notifications when visitors arrive.
- Allow two-way communication between employees and visitors.
- Accept food deliveries and document drop-off.
- Provide instructions for visitors.

A visitor management system increases your office productivity, enhances your office security, and elevates your brand image.

## **1.1 BACKGROUND OF STUDY :-**

A Visitor Management System (VMS) is an evolving concept defined as a systematic collection of visitor's information. It is a record in digital format that is theoretically capable of keeping track of list of visitors and their personal details for effective service from both clients and the company.

This system tracks the usage of a public office by gathering increasing amounts of information. A visitor management system can record the usage of the facilities by specific visitors and provide documentation of visitor's whereabouts. Since a visitor management system provides a record of office used and the person visited, these systems are frequently used to complement office security systems and access control systems.

As electronic visitor management systems become more common and more powerful, these systems are taking over many of the functions of office security and access control like gathering information manually.

Managing visitors is an essential access control activity traditionally handled through paper logs or guest books, where visitors sign in at the front desk. Synergies Visitor Management module allows you to modernize your approach, go paperless, and become more efficient. En roll visitors, assign physical access rights, and track their movements with ease. A digital visitor management system does the core job of checking in visitors. But it also does many things pen and paper can't which include: Maintain a cloud-based visitor log.

Take photos of your visitors to help you identify them and so on.

## **1.2 STATEMENT OF PROBLEM:**

After carefully analysis of the project the researcher observed that the following problems are mainly encountered by different organization.

The present method of visitor management system is mainly based on manual recording; the present system makes use of small or no database for recording of visitor's information. Due to lack of comprehensive database, accountability is usually very difficult, the present system is time consuming, owing to the paper and pen method of recording information visitors may not give out its full information needed at a particular time, Queuing may occur at the cause of entering information needed.

➤ **You can't use it offline:**

Many visitor management systems rely on a strong internet connection, but this isn't always reliable or even available in some locations. Issues with internet connectivity can make it difficult for remote businesses, which can cause costly disruption.

➤ **You can't integrate it with other systems:**

In order to operate effectively, your visitor management system needs to be able to integrate with third party systems, such as e-commerce, CRM or finance solutions. Without integration, it's likely you'll have to spend extra time on admin and transferring data, when a more up-to-date system can do this seamlessly.

➤ **It's difficult to navigate:**

Older, more complicated systems can be difficult to navigate, which poses challenges for new members of staff. This can mean extra time is spent on training, as well as the day-to-day use of convoluted software.

- **You have to use multiple software to perform tasks:**

Outdated software might mean you can't carry out your daily business operations without the help of another piece of software. This can make regular tasks time consuming and unnecessarily difficult, not to mention doubling the time you spend training new employees.
- **Visitor can't find their name when signing out after earlier signing in:**

This is the issue with all visitor management systems, the visitor signs in, misspells or accidentally does a typo when entering their name, when they go to sign out, they are unable to find their name as they enter the correct spelling, frustrated the visitor may feel like the visitor management system is not working, not a good impression with your visitors.
- **Reception can't see who is coming into the building – Pre-Registration:**

People come and go into the building, reception/security guards or any one front facing the public is unable to see who is coming on site, who is on site and who has left site.
- **Higher security on entry:**

Visitors can walk into a building, get a visitor pass and the host has not yet met with the visitor. This leaves the visitor to wander with a visitor pass.

## **1.3 SIGNIFICANCE OF STUDY:**

### **Enhances Workplace Safety & Security**

Reliable visitor management systems like identity comes with touch less and contactless check-in and check-out features, removing human touch from the picture. Further, features like touch less body temperature screening and safety mask detection, visitor management software may be the only way forward with growth of information technology; the study offers numerous values in business premises and revenue payment:

- ❖ **Visitors get high quality service:**

Since the recording requires human information, with use of computer more concrete information will be provided.
- ❖ **It will be easier to generate overall report:**

Comprehensive and relational database will make report generation easy and faster.
- ❖ **High Security Environments:**

Assign and print credentials for your visitors like any other employee, define detailed access rights, specify visitor escorts, and give your staff full control over access to your facilities.

  - It will provide efficient, effective and timely services.
  - It will reduce corruption.
  - It contributes to the entire organization security.

❖ **Streamlines Visitor Management Process:**

Meetings, conferences, interviews, and other events that need personal interactions can be scheduled for a certain date so that you can proceed with these social events without worrying about event overlaps and virus contraction.

❖ **Improves The Visitor Check-In Experience:**

Visitor management systems have come a long way in terms of their visibility and footprint. Many VMS solutions now offer a virtually invisible security system, which screens, identifies, and logs the data of every visitor, allowing businesses to provide a hassle-free check-in experience.

❖ **Improves Employee Productivity:**

A VMS is not restricted to just your visitors. Employees can easily check into the building without worrying about contracting the virus. Older VMS solutions required employees to touch the fingerprint scanner for the system to recognize their unique fingerprint ID.

But with facial and iris recognition systems in place, the human touch is a thing of the past. Employees can protect themselves, save time, and organize their tasks virtually, boosting productivity.

❖ **Analyse & Review Visitors Logbook In Real-Time:**

Businesses can analyse and review the visitor data anytime, thanks to cloud integrations and virtual dashboards that enable real-time data reports.

Further, these reports help you review your overall visitor operations and assist in making data-backed decisions to enhance your overall organizational productivity.

❖ **Alerts & Assists You During Emergencies:**

Visitor management systems now come with SOS features, which alert the enterprise admin in case of fire or natural disasters. Some VMS solutions keep the admin in control of issuing alerts because even though AI is powerful enough to nudge people to evacuate a building, human interference is necessary to avoid false alarms.

❖ **Keeps A Record of Visitors:**

A smart VMS records the details of every visitor that checks into the building. Right from recording their face ID to storing the data on the cloud for future reference, a modern VMS is every business owner's best bet on enhanced security and better management of visitor operations.

# **CHAPTER - 2**

## **ANALYSIS**

## **2.1 THEORETICAL BACKGROUND :-**

‘Private companies and organizations should be concerned about their guests’ Safety and security measures, and they should implement a tracking system for Each individual visitor who may visit the firm for whatever purpose. By offering A visitor management system, the guest will be able to pre-register in order to get Clear and direct instructions to his destination inside the premises, which will be Equipped with the necessary safety and security measures. There are various Notions linked to organization visitors in the literature; the fundamental concept Is the interaction of business visitors with the visitor management system used, which includes a tracking system.

### **Security system:**

The visitor(s) must register at the security gate or at reception in this security Gate module. They must be validated after registering, or else admin may add Them. Visitors might be of two types: personal visitors and official visitors; both Must provide the necessary information. If a visitor wishes to book an employee, they may do so from their own location by checking the person’s availability. Friedberg proposes STPA-Safe Sec, a consolidated investigation method for Wellness and security based on STPA and STPA which may be utilized to select the ideal alleviation strategies to ensure framework security and security. The Methodology’s advantages include unified wellness and security thought when selecting suitable relief strategies, as well as the ability to coordinate the most Fundamental framework segments for a top to bottom security examination (for Example infiltration testing). The examination identifies probable framework flaws caused by a specific security or wellbeing powerlessness, as well as improved alleviation strategies. Propose a method for identifying and formally categorizing health and safety requirements. This technique is based on the STPA system and is combined with showing, discernibility, and formal verification using the Event-B formal strategy. The goal is to provide essential needs so that we can avoid unfavourable structure conditions. Using the Event-B language and the Rodin toolkit, they demonstrate and test that these fundamental prerequisites totally relieve the undesirable framework states.

### **Tracking System:**

Increasing the importance of tracking visitor trends across several associations is a critical aspect in the growth of the global guest the executive's framework promotes. The framework for guest the executive is a realistic structure that promotes companies to address guest growth on their premises. The executive's framework for guests is a product based structure that captures, screens, records, and recovers visitor data in order to manage guest flow

throughout the workplace/building. The executive's frameworks for visitors are accessible with various characteristics, including photo ID or unique finger impression filtration, auto-distinguishing evidence of repeated guests, and computerized pre-enlistment of expected registrants. The visitor the board framework generates access cards with pre-approved access and restrictions on offices based on the kind of guest. The framework of the executive guest communicates to visitors how to use the contact screen, empowers guests to self-register, and communicates warnings to staff. The guest the board architecture eliminates human error and ensures a higher degree of execution and security of the reason. As a result, the designed information system should dependably give trustworthy information that increases customer confidence and objectivity while also possessing the necessary features to sustain efficiency. Information technology has become critical for businesses seeking to improve performance, gain a competitive edge, or just survive in today's economic climate. These advancements have been driven by a competitive advantage built on the efficient use of information and knowledge.

### **Administration:**

In The administrator may connect to this administration module from the administrator side and then add a visitor, employee, or another administrator to the system. The administrator may amend his or her profile and, if necessary, change the password. Then, from the administrator's side, the administrator may prevent an employee or guest from gaining access to the system. This administrative side allows you to examine the visitor list, employee list, and booking data.

### **Access System:**

In addition to physical limits limiting institution entry to one location, institutions have discovered the necessity to improve their method for registering who enters and exits the office. The fundamental approach is constrained since it is modest and provides little information other than name and time. There are a few PC based frameworks available that provide a wealth of data to enhance both security and front office performance. Many frameworks feature a booth-like state in which a visitor just looks at oneself in a manner similar to the clipboard approach, but the framework may capture substantially more data fast. This additional information may include an image of the visitor, the reason he is there, where he is going, a time stamp, and so on.

## **Hosting visitors:**

From the employee side, he or she may login to this host employee module and view a list of visitors who have registered with them. Employees may then choose whether or not to accept or reject the request. In this module, the employee may amend his or her profile and, if necessary, change his or her password. The employee might request that the unpleasant guest be banned from the company. Has always been a part of running a company. Organizations did, in fact, legitimize a visit by demanding that participants make a record in an anteroom book. While the rest of the corporate world improved, the time spent inviting and supervising visitors remained remarkably unchanged for a long period. The reasons behind this were complicated. With a cover of duties, office the executives, and IT, it was often unclear who had the responsibility. Differences in processes and requirements across many organizational domains made presenting a unified framework difficult. The few existing on-premise innovation solutions were expensive to implement, and offices did not have a dedicated budget for this kind of work. These challenges compelled VMS to migrate to the cloud, where it became known as Software as a Service, or SaaS. A product authorizing model is used in a cloud-based SaaS where a guest the board application is supported by a third-party provider who makes it available to customers through the web.

## **Attack-Fault Trees :**

A technique for handling of attack shortfall trees (AFT) with dynamic entry points that enables the consideration of progressively complicated diverse advance circumstances. The authors demonstrate a possible transformation of dynamic entry points into stochastic event automata that enables the use of the UPPAAL model checker for statistical model verification. The methodology incorporates quantitative examination of AFTs and consideration of a few health security situations, for example, as-is and possible that situation, resulting in the identification of the most dangerous situations and selection of the best countermeasure. An inquiry based on a combination of STPA and NIST SP800-30 rules. The examination is founded on the convergence of a framework-based approach geared toward health and a segment-based methodology geared toward hazards and vulnerabilities. The authors illustrate how to adapt wellness and security workflows and the areas they must cover. A proposed technique that incorporates elements of two current methodologies, STRIDE and FMEA. These health and security professionals are divided into two groups by a combination organize based on the first equal exercises, which results in a consolidated health and security risk inventory. The joining of findings is also addressed in the second section of the two methodologies for assessing influence on the security side and likelihood on the health side. The methodology focuses on minimizing effort by immediately addressing shared characteristics of independent appraisals, on

utilizing the joined list to bring to light issues that have a high impact or probability on both territories, and on facilitating multidimensional choices made by addressing security and well-being together.

### **Visitor Management System Process:**

The Integrated Process Approach is being used to develop the Visitors Management System for APU Accommodations. It is a technique for developing products that is used by venture capitalists. It is a widely used invention for development. It is a taught method for supervising errands and commitments in a development organization. The Common Unified Process approach is a web enabled article-based development method that was launched. RUP provided online rules and templates for all phases of program development. The Reasonable Integrated Process is ideal for a broad variety of organizations and enterprises because it captures the best practices in software development in a framework that is adaptable to a wide variety of projects. RUP is appropriate for both small and large development teams. RUP is an IBM product development methodology. It teaches a systematic approach to the process of software development. RUP divides the development process into four phases: inquiry and structure, use, testing, and organization; each step is divided into separate cycles that must be completed before progressing to the next level of development. The Unified Process provides an orderly technique significantly reduces development expenses.

## **2.2 ANALYSIS AND LIMITATIONS OF EXISTING SYSTEM:-**

### **Illegible Handwriting :-**

The visitor may be too quick or too sluggish while filling out the guest data in the visitor log book, and illegible handwriting may result in security breaches as well as the necessity to return to the record in the future.

### **Confidentiality :-**

If a visitor puts down his or her information, all subsequent visitors will be able to read all of the information that was written down, which reduces personal confidentiality and may be utilized in an acceptable manner.

### **Time-Consuming :-**

The whole procedure will take time, from the moment the request is initiated to the time it reaches the front desk clerk, particularly if there has been no previous information that the visitor would be visiting the premises.

### **ID Verification :-**

Because manual logs do not have the capability of capturing a personal picture, the front desk staff will not be able to identify a visitor if their identification (IDV) has not been confirmed or is unclear. Additionally, owing to the large volume of visits, the front desk employee may get distracted.

### **No Reporting :-**

The company places a high value on the hospitality of guests, as well as the services they give, such as having enough space and having workers who are trained to deal with tourists, particularly during peak periods.

### **Trademark :-**

Organizations who care about the design of the visitor room and have an excellent front desk but also have an outdated registration system will convey to visitors that the firm does not care about them via their use of place formality.

## **2.3 THE NEED OF NEW SYSTEM :-**

There are several arguments in favour of using a Visitor Management System rather to a human log book, some of which are stated below:

### **Security :-**

The Visitor Management System ensures your organization's security is effective and efficient. Unlike a manual log book, where visitors get used to inputting their personal information, which is often inaccurate and only for the purpose of filling out, the electronic log book allows for the secrecy of the visiting list, which can be accessed by all trilling guests. The visitor management system will validate all visitor data by transmitting an on-time password (OTP) as well as the precise appointment time, reducing the number of bogus visitor entries.

### **Accuracy & Reliability :-**

OTP is used to verify the visitor's records in Visitor Management Software. As a result, the visitor's information is accurate and there are no prospects of having it corrected. This ensures that the information is sufficiently validated and consistent to be utilized for future purposes.

### **Pre- registration :-**

The system has a great opportunity to provide preregistration for company guests instead of manual handwriting in daily logs where the visitor tries to fill up, where the implementation of the visitor management system will allow the front desk/security to have a prior notification for the expected guest, reducing the crowdedness inside the visitor room.

### **Effective Monitoring :-**

The tracking system will be very useful since security officials will not be able to monitor each individual visitor that enters the organization. The tracking system will indicate each individual visitor the precise moment they must depart the premises by sending a message to security officers.

### **Enduring Impact:-**

Visitors to the organization should feel valued as soon as they enter the visitor room; of course, the traditional registration system will give the opposite impression, but how the visitor feels important by interacting with the new system from the time of arrival until the time of departure is critical.

# **CHAPTER – 3**

## **SYSTEM DESIGN METHODOLOGY**

## **3.1 PROJECT PLANNING:-**

Project planning is of developing objectives and defining targets, as well as the procedures necessary to attain those goals. The endeavor the officials design taking into consideration the following factors: process that structures the errand and the board as a result of their experience the administrators coordinating progress. Project planning as a process has been set up in this way. It is important to decide early on what, when, how, and whom the main exercises will be carried out in order to meet the goals that have been defined.

At this time, there is an in escapable organization task that is refined by all phases of the undertaking's advancement, with the qualifications being the degree of detail, the magnitude of the endeavor, and the number of people involved. Orchestrating lays the ground working for future exercises by drawing on the lessons learned in the past.

There is a driving force behind this paper: to investigate the endeavor condition for organizing, to consider the rational behind masterminding, to concentrate on the periods of errand orchestrating, to survey the portions of preparing for the endeavor, and to discuss the role of dynamic in adventure masterminding.

## **3.2 FEASIBILITY STUDY :-**

A feasibility study is used to determine the viability of an idea, for example, verifying that work us genuine and really feasible, as well as economically viable. It informs us if the effort deserves the intrigue; on occasion, an attempt may be impractical. There are several explanations for this, including the need for such a large number of resources, which not only protects those advantages from doing diverse duties, but also may cost more than an association would recover by conducting an unprofitable endeavor.

A feasibility analysis study (FSA) determines a project's likelihood of success; hence, perceived objectivity is a critical component of the analysis's validity for possible financial experts and loaning creations.

# **CHAPTER – 4**

## **SYSTEM DESIGN**

## **4.1 SYSTEM REQUIREMENT :-**

In information technology, an application program or application software is a computer program designed to help people perform an activity. Depending on the activity for which it was designed, an application can manipulate text, numbers, audio, graphs and a combination of these elements.

### **HARDWARE REQUIREMENT :-**

Name of the machine	Pentium III and above
Hard disk	500GB and above
RAM	2GB and above
Monitor type	15 inch and above

### **SOFTWARE REQUIREMENT :-**

Operating system	Windows 7 and above
Front end	HTML, PHP
Back end	MY SQL
Software application	XAMPP/WAMPP
Middleware	Apache, MY SQL server

## **4.2 SYSTEM DESIGN :-**

In this chapter, the analysis and choice of method used in this research work, will be analyzed from existing system and design. It includes specific methods which were used in order to achieve the aim of the research work, particular requirements for implementation of the project and clear explanation of reasons why such method were used for design and implementation of the proposed system, also included is a brief description of the current system of visitors management.

The methodology used is unified modelling language (UML). Unified modelling language, is a standardized modelling language consisting of an integrated set of diagrams, developed to help system and software developers for specifying, visualizing, constructing, and documenting the artifacts of software systems, as well as for business modelling and other non-software systems. The UML represents a collection of best engineering practices that have proven successful in the modelling of large and complex systems.

The UML is a very important part of developing object-oriented software and the software development process. The UML uses mostly graphical notations to express the design of software projects. Using the UML helps project teams communicate, explore potential designs, and validate the architectural design of the software. In this article we will give you detailed ideas about what is UML, the history of UML and a description of each UML diagram type, along with examples.

UML is designed to enabled users to develop an expressive, ready to use visual modelling language. In addition, its supports high level development concepts such as frame works, patterns and collaborations.

### USE CASE DAIGRAM :-

Use case diagrams serve a critical role in UML visualization. Prudent demonstrating is critical for achieving the most effective and appropriate frame work engineering. The study makes reference to the need of thoroughly examining use case summaries. A suitable model of usage cases is provided, and its evolution for average links between use cases is shown. To formal examination and verification procedures are discussed in detail. The first, which is based on a state study, is indicative of a model checking strategy. The next one refers to iconic reasoning via the user formal procedures for ephemeral justification. The straight forward but delegated example of usage case scenario verification is discussed.

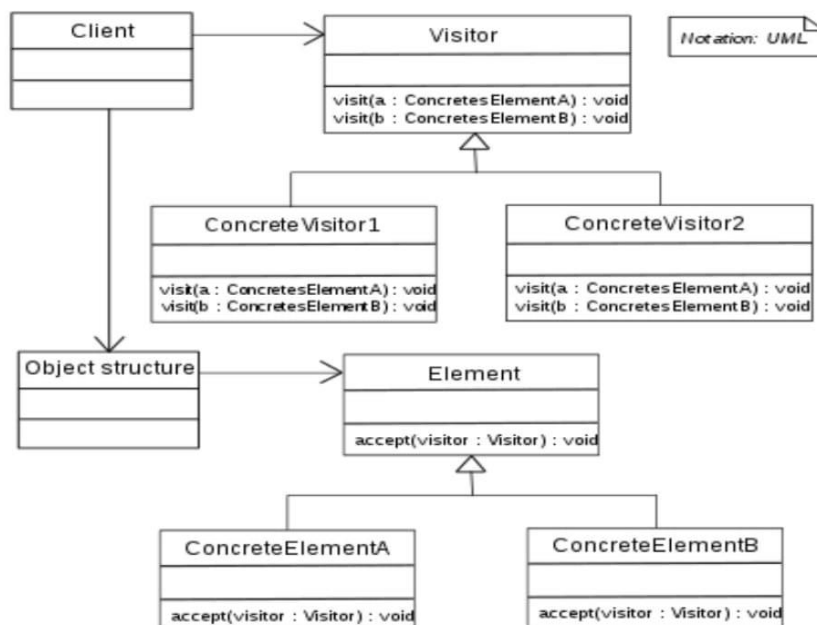


Figure 1. Use case diagram

### **4.3 ANALYSIS OF EXISTING SYSTEM :-**

The existing visitor's management system is mainly manual (paper and pen) registration. The manual method/ registration is done by given the visitor a visitor register to register his or her information.

After registering with the security officer he or she will be allowed to enter inside the organization. Later the visitor will return and sign out, to show that he/she left the environment.

### **4.4 ANALYSIS OF THE PROPOSED SYSTEM :-**

The proposed system is a web based visitor management system, where the security officers will be using a computer system as a major tool for registering visitors. The system has both admin end and the user end the:

The admin end is where the system is been controlled, granting access to the users which is the security people in the duty post to control and manage visitors for proper management of data and information flow of any visitors.

At the user end, this is where direct interaction with the visitors occurs. The registration is done by the security on duty post by telling the visitor to give him/her the required information to be filled on the system.

### **4.5 DESIGN OF THE PROPOSED SYSTEM :-**

The subheadings below will illustrate how the system will be operated.

#### **DATABASE DESIGN :-**

- Vms\_Admin
- Access\_tab
- Visitor\_in\_tab
- Visitors\_out\_tab

**Table 1: Vms\_Admin**

Field	Data types	Size	Attributes	Null	Default	Extra
Admin_id	int	11		No	None	AUTO_INCREMENT
User_name	Varchar	100		No	None	
password	Varchar	100		No	None	

**Table 2: Access\_ tab**

Field	Data types	Size	Attributes	Null	Default	Extra
Admin_id	int	11		No	None	AUTO_INCREMENT
User_name	Varchar	100		yes	Null	
password	Varchar	100		yes	Null	

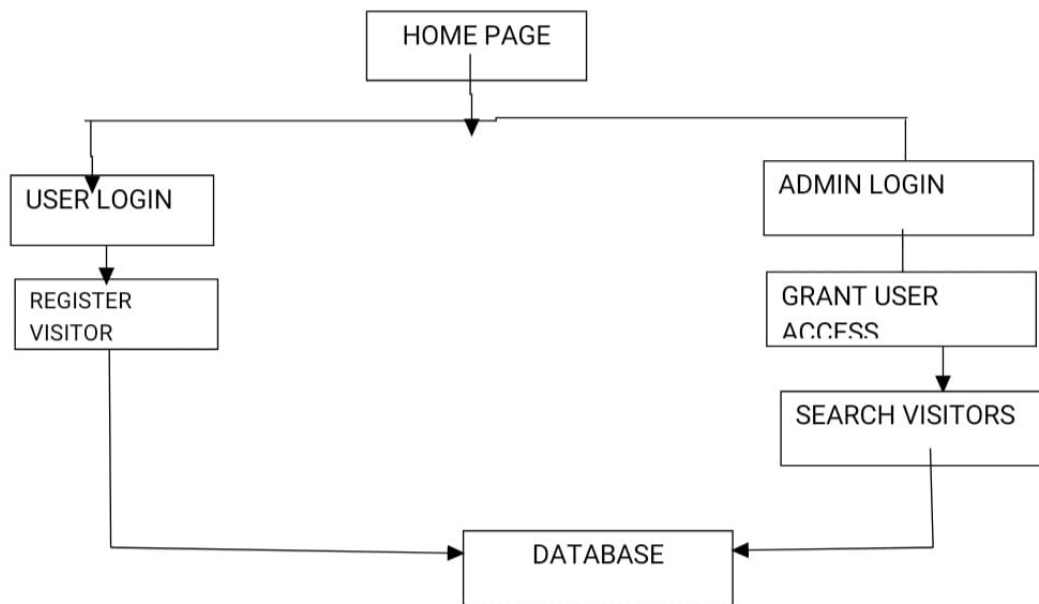
**Table 3: Visitor\_in\_Tab**

Field	Data types	Size	Attributes	Null	Default	Extra
Visitors_in_id	Int	11		No	Null	AUTO_INCREMENT
F_name	Varchar	255		Yes	Null	
Contact_add	Varchar	255		Yes	Null	
Contact_num	Varchar	255		Yes	Null	
Gender	Varchar	25		Yes	Null	
Purpose_Visiting	Varchar	255		Yes	Null	
Who_to_visit	Varchar	255		Yes	Null	
Tag_no	Varchar	25		Yes	Null	
Time_in	Varchar	Date time		Yes	Null	

**Table 4: Visitors\_out\_tab**

Field	Data type	size	Attributes	Null	Default	Extra
Visitors_out _tab_id	int	11		No	None	AUTO_INCREMENT
Visitors_in_id	Varchar	4		Yes	Null	
F_name	Varchar	255		Yes	Null	
Contact_add	Varchar	255		Yes	Null	
Contact_num	Varchar	255		Yes	Null	
Gender	Varchar	25		Yes	Null	
Purpose_Visiting	Varchar	255		Yes	Null	
Who_to_Visit	Varchar	255		Yes	Null	
Tag_no	Varchar	25		Yes	Null	
Time_in	Date time			Yes	Null	
Time_out	Date time			Yes	Null	

## SYSTEM ARCHITECTURE :



## INPUT DESIGN :

REGISTRATION FORM	
FULL NAME	<input type="text"/>
CONTACT ADDRESS	<input type="text"/>
CONTACT NUMBER	<input type="text"/>
GENDER	<input type="text"/>
PURPOSE OF VISITING	<input type="text"/>
WHOM TO VISIT	<input type="text"/>
TAG NO	<input type="text"/>
<input type="button" value="SUBMIT"/>	

## OUTPUT DESIGN :

TALLY CARD	
NAME	
CONTACT NUMBER	
TALLY NUMBER	
TIME IN	

### Algorithm for login pages

Step 1: Start

Step 2: Declare a variable username and password

Step 3: Read variable username and password

Step 4: If username=password

    Open a new page

Else

    Display error message

Step 5: Stop.

# **CHAPTER - 5**

## **SYSTEM IMPLEMENTATION**

# INTRODUCTION: -

In this chapter we did a general introduction of the implementation of visitor's management system how security will make efficient use of the newly developed system of visitor's management form. The system is user friendly, easy to understand and operate.

## 5.1 CHOICE OF DEVELOPMENT ENVIRONMENT: -

The system was developed as an interactive mechanism between the user at the interface, and the database using the web browser. It was designed using XAMPP server. These tools enable the admin and the user through a browser to interact with MySQL database to enter, edit, view, and retrieve data, as privilege granted. These activities were achieved using: HTML forms which offer the best layout to enter, change and view from database. This form was also kept as short and simple as possible to suit the individual who will provide data.

The choice of programming used is Top-down approach. This approach was used because the project arrangement was in linear format and linear format is always from top-down achieve a goal.

## 5.2 DOCUMENTATION :-

As said earlier, that this system was built with basic HTML tags, PHP, and MySQL language, they are open-source program that allows modification to occur in future.

**HTML:** This is an acronym for Hyper Text Makeup Language; it is a language for describing the web pages. Html form elements are elements that allow the user to enter information (like text fields, text area fields, drop-down menus etc.) in a form

**PHP:** Hypertext pre-processor is widely used scripting language that was originally designed for web development, to produce dynamic web pages. its codes can be embedded into html tags.

**MySQL:** This is my serial query language; it uses a standard form of well-known SQL data language. Different data types were used in this project. It was used alongside with PHP to create and submit forms that are used in the software.

The developed system is packaged in a CD drive in a directory named *visitors management system*.

## **USER MANUAL: -**

Procedure on how to execute the program:

- I. Boot the system to windows
- II. Install sublime text and XAMPP server.
- III. Launch sublime text and XAMPP server.
- IV. Open the index page with sublime text and run the software using a browser by locating the file using your server name *localhost* and then point the index page.

The system has the following menu commands for the admin:

➤ **Staff section**

1. ***Grant Access to user:*** On clicking this menu it will display a form that the admin will use to give username password to the users.
2. ***Search:*** On clicking this menu it will display search box where the visitors tag no will be entered and sign him or her out.

➤ **User section**

1. ***Register:*** On clicking this menu it will open form that will request for visitors' data.
2. ***Login:*** When the argument in this page is true it opens a registration form for the user.

### **5.3 SOURCE CODE:-**

The codes would be broken down into section for the different page on the web application.

#### **ADMIN LOGIN :**

##### **Index.pxp:**

```
<?php
Session_startErr
Error_reporting(0);
Include('includes/dbconnection.php');
If(isset($_POST['login']))
{
    $adminuser=$_POST['username'];
    $password=md5($_POST['password']);
    $query=mysqli_query($con,"select ID from tbladmin where
    UserName='$adminuser' && Password='$password' ");
    $ret=mysqli_fetch_array($query);
    If($ret>0){
    $_SESSION['cvmsaid']=$ret['ID'];
    Header('location:dashboard.php');
    }
    Else{
    $msg="Invalid Details.";
    }
    }
?>
<!DOCTYPE html>
<html lang="en">
<head>
<!-- Required meta tags-->
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no">
<meta name="description" content="au theme template">
<meta name="author" content="Hau Nguyen">
<meta name="keywords" content="au theme template">
<!-- Title Page-->
<title>CVMS Login</title>
<!-- Fontfaces CSS-->
<link href="css/font-face.css" rel="stylesheet" media="all">
<link href="vendor/font-awesome-4.7/css/font-awesome.min.css"
rel="stylesheet" media="all">
<link href="vendor/font-awesome-5/css/fontawesome-all.min.css">
```

```

rel="stylesheet" media="all">
<link href="vendor/mdi-font/css/material-design-iconic-font.min.css"
rel="stylesheet" media="all">
<!-- Bootstrap CSS-->
<link href="vendor/bootstrap-4.1/bootstrap.min.css" rel="stylesheet"
media="all">
<!-- Vendor CSS-->
<link href="vendor/animstition/animstition.min.css" rel="stylesheet"
media="all">
<link href="vendor/bootstrap-progressbar/bootstrap-progressbar-
3.3.4.min.css" rel="stylesheet" media="all">
<link href="vendor/wow/animate.css" rel="stylesheet" media="all">
<link href="vendor/css-hamburgers/hamburgers.min.css"
rel="stylesheet"
media="all">
<link href="vendor/slick/slick.css" rel="stylesheet" media="all">
<link href="vendor/select2/select2.min.css" rel="stylesheet"
media="all">
<link href="vendor/perfect-scrollbar/perfect-scrollbar.css" rel="stylesheet"
media="all">
<!-- Main CSS-->
<link href="css/theme.css" rel="stylesheet" media="all">
</head>
<body class="animstition">
<div class="page-wrapper">
<div class="page-content--bge5">
<div class="container">
<div class="login-wrap">
<div class="login-content">
<div class="login-logo">
<a href="#" style="font-size:24px;">
Company Visitor Management System (CVMS)
</a>
</div>
<p style="font-size:16px; color:red" align="center"> <?php
if($msg){
echo $msg;
} ?> </p>
<div class="login-form">
<form action="" method="post" name="login">
<div class="form-group">
<label>User Name</label>
<input class="au-input au-input--full" type="text"

```

```

name="username" placeholder="User Name" required="true">
</div>
<div class="form-group">
<label>Password</label>
<input class="au-input au-input--full" type="password"
name="password" placeholder="Password">
</div>
<div class="login-checkbox">
<label>
<a href="forgot-password.php">Forgotten
Password?</a>
</label>
</div>
<button class="au-btn au-btn--block au-btn--green m-b-20"
type="submit" name="login">sign in</button>
<div class="social-login-content">
</div>
</form>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
<!-- JQuery JS-->
<script src="vendor/jquery-3.2.1.min.js"></script>
<!-- Bootstrap JS-->
<script src="vendor/bootstrap-4.1/popper.min.js"></script>
<script src="vendor/bootstrap-4.1/bootstrap.min.js"></script>
<!-- Vendor JS -->
<script src="vendor/slick/slick.min.js">
</script>
<script src="vendor/wow/wow.min.js"></script>
<script src="vendor/ansition/ansition.min.js"></script>
<script src="vendor/bootstrap-progressbar/bootstrap-progressbar.min.js">
</script>
<script src="vendor/counter-up/jquery.waypoints.min.js"></script>
<script src="vendor/counter-up/jquery.counterup.min.js">
</script>
<script src="vendor/circle-progress/circle-progress.min.js"></script>
<script src="vendor/perfect-scrollbar/perfect-scrollbar.js"></script>
<script src="vendor/chartjs/Chart.bundle.min.js"></script>
<script src="vendor/select2/select2.min.js">

```

```

</script>
<!-- Main JS-->
<script src="js/main.js"></script>
</body>
</html>
<!-- end document-->
dashboard.php:
<?php
session_start();
error_reporting(0);
include('includes/dbconnection.php');
error_reporting(0);
if (strlen($_SESSION['cvmsaid']==0)) {
  header('location:logout.php');
  } else{ ?>
<!DOCTYPE html>
<html lang="en">
<head>
<!-- Required meta tags-->
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no">
<meta name="description" content="au theme template">
<meta name="author" content="Hau Nguyen">
<meta name="keywords" content="au theme template">
<!-- Title Page-->
<title>Dashboard</title>
<!-- Fontfaces CSS-->
<link href="css/font-face.css" rel="stylesheet" media="all">
<link href="vendor/font-awesome-4.7/css/font-awesome.min.css"
rel="stylesheet" media="all">
<link href="vendor/font-awesome-5/css/fontawesome-all.min.css"
rel="stylesheet" media="all">
<link href="vendor/mdi-font/css/material-design-iconic-font.min.css"
rel="stylesheet" media="all">
<!-- Bootstrap CSS-->
<link href="vendor/bootstrap-4.1/bootstrap.min.css" rel="stylesheet"
media="all">
<!-- Vendor CSS-->
<link href="vendor/animation/animation.min.css" rel="stylesheet"
media="all">
<link href="vendor/bootstrap-progressbar/bootstrap-progressbar-
3.3.4.min.css" rel="stylesheet" media="all">

```

```

<link href="vendor/wow/animate.css" rel="stylesheet" media="all">
<link href="vendor/css-hamburgers/hamburgers.min.css" rel="stylesheet"
media="all">
<link href="vendor/slick/slick.css" rel="stylesheet" media="all">
<link href="vendor/select2/select2.min.css" rel="stylesheet" media="all">
<link href="vendor/perfect-scrollbar/perfect-scrollbar.css" rel="stylesheet"
media="all">
<!-- Main CSS-->
<link href="css/theme.css" rel="stylesheet" media="all">
</head>
<body class="animstion">
<div class="page-wrapper">
<!-- HEADER MOBILE-->
<!-- MENU SIDEBAR-->
<?php include_once('includes/sidebar.php');?>
<!-- END MENU SIDEBAR-->
<!-- PAGE CONTAINER-->
<div class="page-container">
<!-- HEADER DESKTOP-->
<?php include_once('includes/header.php');?>
<!-- HEADER DESKTOP-->
<!-- MAIN CONTENT-->
<div class="main-content">
<div class="section__content section__content--p30">
<div class="container-fluid">
<?php
//todays visitors
$query=mysqli_query($con,"select ID from tblvisitor where
date(EnterDate)=CURDATE();");
$count_today_visitors=mysqli_num_rows($query);
?>
<div class="row m-t-25">
<div class="col-sm-6 col-lg-3">
<div class="overview-item overview-item--c1">
<div class="overview__inner">
<div class="overview-box clearfix">
<div class="icon">
<i class="zmdi zmdi-account-o"></i>
</div>
<div class="text">
<h2><?php echo $count_today_visitors;?></h2>
<span>Today's Visitors</span>
</div>

```

```

        </div>
    </div>
</div>
</div>
<?php
//Yesterdays visitors
$query1=mysqli_query($con,"select ID from tblvisitor where
date(EnterDate)=CURDATE()-1;");
$count_yesterday_visitors=mysqli_num_rows($query1);
?>
<div class="col-sm-6 col-lg-3">
<div class="overview-item overview-item--c2">
<div class="overview__inner">
<div class="overview-box clearfix">
<div class="icon">
<i class="zmdi zmdi-account-o"></i>
</div>
<div class="text">
<h2><?php echo
$count_yesterday_visitors?></h2>
<span>Yesterday Visitors</span>
</div>
</div>
</div>
</div>
</div>
</div>
<?php
//Last Sevendays visitors
$query2=mysqli_query($con,"select ID from tblvisitor where
date(EnterDate)>=(DATE(NOW()) - INTERVAL 7 DAY);");
$count_lastsevendays_visitors=mysqli_num_rows($query2);
?>
<div class="col-sm-6 col-lg-3">
<div class="overview-item overview-item--c3">
<div class="overview__inner">
<div class="overview-box clearfix">
<div class="icon">
<i class="zmdi zmdi-account-o"></i>
</div>
<div class="text">
<h2><?php echo

```

```

$count_lastsevendays_visitors?></h2>
<span>Last 7 Days Visitors</span>
</div>
</div>
</div>
</div>
</div>
<?php
//Total Visitors visitors
$query3=mysqli_query($con,"select ID from tblvisitor");
$count_total_visitors=mysqli_num_rows($query3);
?>
<div class="col-sm-6 col-lg-3">
<div class="overview-item overview-item--c4">
<div class="overview__inner">
<div class="overview-box clearfix">
<div class="icon">
<i class="zmdi zmdi-account-o"></i>
</div>
<div class="text">
<h2><?php echo $count_total_visitors?></h2>
<span>Total Visitors Till Date</span>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
<?php include_once('includes/footer.php');?>
</div>
</div>
</div>
</div>
</div>
<!-- JQuery JS-->
<script src="vendor/jquery-3.2.1.min.js"></script>
<!-- Bootstrap JS-->
<script src="vendor/bootstrap-4.1/popper.min.js"></script>

```

```

<script src="vendor/bootstrap-4.1/bootstrap.min.js"></script>
<!-- Vendor JS -->
<script src="vendor/slick/slick.min.js">
</script>
<script src="vendor/wow/wow.min.js"></script>
<script src="vendor/ansition/ansition.min.js"></script>
<script src="vendor/bootstrap-progressbar/bootstrap-progressbar.min.js">
</script>
<script src="vendor/counter-up/jquery.waypoints.min.js"></script>
<script src="vendor/counter-up/jquery.counterup.min.js">
</script>
<script src="vendor/circle-progress/circle-progress.min.js"></script>
<script src="vendor/perfect-scrollbar/perfect-scrollbar.js"></script>
<script src="vendor/chartjs/Chart.bundle.min.js"></script>
<script src="vendor/select2/select2.min.js">
</script>
<!-- Main JS-->
<script src="js/main.js"></script>
</body>
</html>
<!-- end document-->
<?php } ?>
admin-profile.php:
<?php
session_start();
error_reporting(0);
include('includes/dbconnection.php');
if (strlen($_SESSION['cvmsaid']==0)) {
header('location:logout.php');
} else{
if(isset($_POST['submit']))
{
$adminid=$_SESSION['cvmsaid'];
$AName=$_POST['adminname'];
$mobno=$_POST['mobilenumber'];
$email=$_POST['email'];
$query=mysqli_query($con, "update tbladmin set AdminName='$AName',
MobileNumber ='$mobno', Email= '$email' where ID='$adminid'");

```

```

if ($query) {
    $msg="Admin profile has been updated.";
}
else
{
    $msg="Something Went Wrong. Please try again.";
}
}
?>
<!DOCTYPE html>
<html lang="en">
<head>
<!-- Required meta tags-->
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no">
<meta name="description" content="au theme template">
<meta name="author" content="Hau Nguyen">
<meta name="keywords" content="au theme template">
<!-- Title Page-->
<title>CVSM Admin Profile</title>
<!-- Fontfaces CSS-->
<link href="css/font-face.css" rel="stylesheet" media="all">
<link href="vendor/font-awesome-5/css/fontawesome-all.min.css"
rel="stylesheet" media="all">
<link href="vendor/font-awesome-4.7/css/font-awesome.min.css"
rel="stylesheet" media="all">
<link href="vendor/mdi-font/css/material-design-iconic-font.min.css"
rel="stylesheet" media="all">
<!-- Bootstrap CSS-->
<link href="vendor/bootstrap-4.1/bootstrap.min.css" rel="stylesheet"
media="all">
<!-- Vendor CSS-->
<link href="vendor/ansition/ansition.min.css" rel="stylesheet"
media="all">
<link href="vendor/bootstrap-progressbar/bootstrap-progressbar-
3.3.4.min.css" rel="stylesheet" media="all">
<link href="vendor/wow/animate.css" rel="stylesheet" media="all">

```

```

<link href="vendor/css-hamburgers/hamburgers.min.css" rel="stylesheet"
media="all">
<link href="vendor/slick/slick.css" rel="stylesheet" media="all">
<link href="vendor/select2/select2.min.css" rel="stylesheet" media="all">
<link href="vendor/perfect-scrollbar/perfect-scrollbar.css" rel="stylesheet"
media="all">
<!-- Main CSS-->
<link href="css/theme.css" rel="stylesheet" media="all">
</head>
<body class="animsition">
<div class="page-wrapper">
<!-- HEADER MOBILE-->
<?php include_once('includes/sidebar.php');?>
<!-- END HEADER MOBILE-->
<!-- MENU SIDEBAR-->
<!-- END MENU SIDEBAR-->
<!-- PAGE CONTAINER-->
<div class="page-container">
<!-- HEADER DESKTOP-->
<?php include_once('includes/header.php');?>
<!-- HEADER DESKTOP-->
<!-- MAIN CONTENT-->
<div class="main-content">
<div class="section__content section__content--p30">
<div class="container-fluid">
<div class="row">
<div class="col-lg-12">
<div class="card">
<div class="card-header">
<strong>Update</strong> Admin Profile
</div>
<div class="card-body card-block">
<form action="" method="post"
enctype="multipart/form-data" class="form-horizontal">
<p style="font-size:16px; color:red" align="center">
<?php if($msg){
echo $msg;
} ?> </p>

```

```

<?php
$adminid=$_SESSION['cvmsaid'];
$ret=mysqli_query($con,"select * from tbladmin where ID='$adminid'");
$cnt=1;
while ($row=mysqli_fetch_array($ret)) {
?>
<div class="row form-group">
<div class="col col-md-3">
<label for="text-input" class=" form-controllabel">Admin Name</label>
</div>
<div class="col-12 col-md-9">
<input type="text" id="adminname"
name="adminname" value="<?php echo $row['AdminName'];?>"
class="formcontrol" required="">
</div>
</div>
<div class="row form-group">
<div class="col col-md-3">
<label for="email-input" class=" form-controllabel">Email Input</label>
</div>
<div class="col-12 col-md-9">
<input type="email" id="email" name="email"
value="<?php echo $row['Email'];?>" class="form-control" required="">
</div>
</div>
<div class="row form-group">
<div class="col col-md-3">
<label for="password-input" class=" formcontrol-label">Phone
Number</label>
</div>
<div class="col-12 col-md-9">
<input type="text" id="mobilenumber"
name="mobilenumber" class="form-control" maxlength="10" value="<?php
echo $row['MobileNumber'];?>" required="">
</div>
</div>
<div class="row form-group">
<div class="col col-md-3">

```

```

<label for="textarea-input" class=" formcontrol-label">User Name</label>
</div>
<div class="col-12 col-md-9">
<input name="username" id="username"
rows="9" class="form-control" required="" readonly="" value="<?php echo
$row['UserName'];?>">
</div>
</div>
<div class="row form-group">
<div class="col col-md-3">
<label for="password-input" class=" formcontrol-label">Admin Registration
date</label>
</div>
<div class="col-12 col-md-9">
<input type="text" id="adminregdate"
name="adminregdate" value="<?php echo $row['AdminRegdate'];?>"
class="form-control" required="" readonly="">
</div>
</div>
<?php } ?>
<div class="card-footer">
<p style="text-align: center;"><button type="submit"
name="submit" id="submit" class="btn btn-primary btn-sm">Update
</button></p>
</div>
</form>
</div>
</div>
<?php include_once('includes/footer.php');?>
</div>
</div>
</div>
</div>
</div>
<!-- JQuery JS-->
<script src="vendor/jquery-3.2.1.min.js"></script>
<!-- Bootstrap JS-->

```

```

<script src="vendor/bootstrap-4.1/popper.min.js"></script>
<script src="vendor/bootstrap-4.1/bootstrap.min.js"></script>
<!-- Vendor JS -->
<script src="vendor/slick/slick.min.js">
</script>
<script src="vendor/wow/wow.min.js"></script>
<script src="vendor/animstition/animstition.min.js"></script>
<script src="vendor/bootstrap-progressbar/bootstrap-progressbar.min.js">
</script>
<script src="vendor/counter-up/jquery.waypoints.min.js"></script>
<script src="vendor/counter-up/jquery.counterup.min.js">
</script>
<script src="vendor/circle-progress/circle-progress.min.js"></script>
<script src="vendor/perfect-scrollbar/perfect-scrollbar.js"></script>
<script src="vendor/chartjs/Chart.bundle.min.js"></script>
<script src="vendor/select2/select2.min.js">
</script>
<!-- Main JS-->
<script src="js/main.js"></script>
</body>
</html>
<!-- end document-->
<?php } ?>

```

### **change-password.php:**

```

<?php
session_start();
error_reporting(0);
include('includes/dbconnection.php');
error_reporting(0);
if (strlen($_SESSION['cvmsaid']==0)) {
  header('location:logout.php');
} else{
if(isset($_POST['submit']))
{
$adminid=$_SESSION['cvmsaid'];
$password=md5($_POST['currentpassword']);
$newpassword=md5($_POST['newpassword']);
$query=mysqli_query($con,"select ID from tbladmin where ID='$adminid' and

```

```

Password='{$password}');
$row=mysqli_fetch_array($query);
if($row>0){
$ret=mysqli_query($con,"update tbladmin set Password='{$newpassword}' where
ID='{$adminid}");
$msg= "Your password successully changed";
} else {
$msg="Your current password is wrong";
}
}
?>
<!DOCTYPE html>
<html lang="en">
<head>
<!-- Required meta tags-->
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no">
<meta name="description" content="au theme template">
<meta name="author" content="Hau Nguyen">
<meta name="keywords" content="au theme template">
<!-- Title Page-->
<title>CVSM Change Password</title>
<!-- Fontfaces CSS-->
<link href="css/font-face.css" rel="stylesheet" media="all">
<link href="vendor/font-awesome-5/css/fontawesome-all.min.css"
rel="stylesheet" media="all">
<link href="vendor/font-awesome-4.7/css/font-awesome.min.css"
rel="stylesheet" media="all">
<link href="vendor/mdi-font/css/material-design-iconic-font.min.css"
rel="stylesheet" media="all">
<!-- Bootstrap CSS-->
<link href="vendor/bootstrap-4.1/bootstrap.min.css" rel="stylesheet"
media="all">
<!-- Vendor CSS-->
<link href="vendor/ansition/ansition.min.css" rel="stylesheet"
media="all">
<link href="vendor/bootstrap-progressbar/bootstrap-progressbar-

```

```

3.3.4.min.css" rel="stylesheet" media="all">
<link href="vendor/wow/animate.css" rel="stylesheet" media="all">
<link href="vendor/css-hamburgers/hamburgers.min.css" rel="stylesheet"
media="all">
<link href="vendor/slick/slick.css" rel="stylesheet" media="all">
<link href="vendor/select2/select2.min.css" rel="stylesheet" media="all">
<link href="vendor/perfect-scrollbar/perfect-scrollbar.css" rel="stylesheet"
media="all">
<!-- Main CSS-->
<link href="css/theme.css" rel="stylesheet" media="all">
<script type="text/javascript">
function checkpass()
{
if(document.changepassword.newpassword.value!=document.changepassword.
confirmpassword.value)
{
alert('New Password and Confirm Password field does not match');
document.changepassword.confirmpassword.focus();
return false;
}
return true;
}
</script>
</head>
<body class="animsition">
<div class="page-wrapper">
<!-- HEADER MOBILE-->
<?php include_once('includes/sidebar.php');?>
<!-- END HEADER MOBILE-->
<!-- MENU SIDEBAR-->
<!-- END MENU SIDEBAR-->
<!-- PAGE CONTAINER-->
<div class="page-container">
<!-- HEADER DESKTOP-->
<?php include_once('includes/header.php');?>
<!-- HEADER DESKTOP-->
<!-- MAIN CONTENT-->
<div class="main-content">

```

```

<div class="section__content section__content--p30">
  <div class="container-fluid">
    <div class="row">
      <div class="col-lg-12">
        <div class="card">
          <div class="card-header">
            <strong>Change</strong> Admin Password
          </div>
          <div class="card-body card-block">
            <form action="" method="post"
            enctype="multipart/form-data" class="form-horizontal"
            name="changepassword" onsubmit="return checkpass();">
              <p style="font-size:16px; color:red" align="center">
                <?php if($msg){
                  echo $msg;
                } ?> </p>
                <?php
                $adminid=$_SESSION['cvmsaid'];
                $ret=mysqli_query($con,"select * from tbladmin where ID='$adminid'");
                $cnt=1;
                while ($row=mysqli_fetch_array($ret)) {
                  ?>
                  <div class="row form-group">
                    <div class="col col-md-3">
                      <label for="text-input" class=" form-controllabel">Current Password</label>
                    </div>
                    <div class="col-12 col-md-9">
                      <input type="password" id="currentpassword"
                      name="currentpassword" value="" class="form-control" required="">
                    </div>
                  </div>
                  <div class="row form-group">
                    <div class="col col-md-3">
                      <label for="email-input" class=" form-controllabel">New Password</label>
                    </div>
                    <div class="col-12 col-md-9">
                      <input type="password" id="newpassword"
                      name="newpassword" value="" class="form-control" required="">
                    </div>
                  </div>
                }
              </p>
            </form>
          </div>
        </div>
      </div>
    </div>
  </div>

```

```

</div>
</div>
<div class="row form-group">
<div class="col col-md-3">
<label for="password-input" class=" formcontrol-label">Confirm
Password</label>
</div>
<div class="col-12 col-md-9">
<input type="password" id="confirmpassword"
name="confirmpassword" class="form-control" maxlength="10" value=""
required="">
</div>
</div>
<?php } ?>
<div class="card-footer">
<p style="text-align: center;"><button type="submit"
name="submit" id="submit" class="btn btn-primary btn-sm">Change
</button></p>
</div>
</form>
</div>
</div>
<?php include_once('includes/footer.php');?>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
<!-- JQuery JS-->
<script src="vendor/jquery-3.2.1.min.js"></script>
<!-- Bootstrap JS-->
<script src="vendor/bootstrap-4.1/popper.min.js"></script>
<script src="vendor/bootstrap-4.1/bootstrap.min.js"></script>
<!-- Vendor JS -->
<script src="vendor/slick/slick.min.js">
</script>
<script src="vendor/wow/wow.min.js"></script>

```

```

<script src="vendor/animations/animations.min.js"></script>
<script src="vendor/bootstrap-progressbar/bootstrap-progressbar.min.js">
</script>
<script src="vendor/counter-up/jquery.waypoints.min.js"></script>
<script src="vendor/counter-up/jquery.counterup.min.js">
</script>
<script src="vendor/circle-progress/circle-progress.min.js"></script>
<script src="vendor/perfect-scrollbar/perfect-scrollbar.js"></script>
<script src="vendor/chartjs/Chart.bundle.min.js"></script>
<script src="vendor/select2/select2.min.js">
</script>
<!-- Main JS-->
<script src="js/main.js"></script>
</body>
</html>
<!-- end document-->
<?php } ?>

```

### **forget-password.php:**

```

<?php
session_start();
error_reporting(0);
include('includes/dbconnection.php');
error_reporting(0);
if (strlen($_SESSION['cvmsaid']==0)) {
  header('location:logout.php');
} else{
if(isset($_POST['submit']))
{
$adminid=$_SESSION['cvmsaid'];
$password=md5($_POST['currentpassword']);
$newpassword=md5($_POST['newpassword']);
$query=mysqli_query($con,"select ID from tbladmin where ID='$adminid' and Password='$password'");
$row=mysqli_fetch_array($query);
if($row>0){
$ret=mysqli_query($con,"update tbladmin set Password='$newpassword' where ID='$adminid'");
$msg= "Your password successully changed";

```

```

} else {
$msgg="Your current password is wrong";
}
}
?>
<!DOCTYPE html>
<html lang="en">
<head>
<!-- Required meta tags-->
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no">
<meta name="description" content="au theme template">
<meta name="author" content="Hau Nguyen">
<meta name="keywords" content="au theme template">
<!-- Title Page-->
<title>CVSM Change Password</title>
<!-- Fontfaces CSS-->
<link href="css/font-face.css" rel="stylesheet" media="all">
<link href="vendor/font-awesome-5/css/fontawesome-all.min.css"
rel="stylesheet" media="all">
<link href="vendor/font-awesome-4.7/css/font-awesome.min.css"
rel="stylesheet" media="all">
<link href="vendor/mdi-font/css/material-design-iconic-font.min.css"
rel="stylesheet" media="all">
<!-- Bootstrap CSS-->
<link href="vendor/bootstrap-4.1/bootstrap.min.css" rel="stylesheet"
media="all">
<!-- Vendor CSS-->
<link href="vendor/ansition/ansition.min.css" rel="stylesheet"
media="all">
<link href="vendor/bootstrap-progressbar/bootstrap-progressbar-
3.3.4.min.css" rel="stylesheet" media="all">
<link href="vendor/wow/animate.css" rel="stylesheet" media="all">
<link href="vendor/css-hamburgers/hamburgers.min.css" rel="stylesheet"
media="all">
<link href="vendor/slick/slick.css" rel="stylesheet" media="all">
<link href="vendor/select2/select2.min.css" rel="stylesheet" media="all">

```

```

<link href="vendor/perfect-scrollbar/perfect-scrollbar.css" rel="stylesheet"
media="all">
<!-- Main CSS-->
<link href="css/theme.css" rel="stylesheet" media="all">
<script type="text/javascript">
function checkpass()
{
if(document.changepassword.newpassword.value!=document.changepassword.
confirmpassword.value)
{
alert('New Password and Confirm Password field does not match');
document.changepassword.confirmpassword.focus();
return false;
}
return true;
}
</script>
</head>
<body class="animations">
<div class="page-wrapper">
<!-- HEADER MOBILE-->
<?php include_once('includes/sidebar.php');?>
<!-- END HEADER MOBILE-->
<!-- MENU SIDEBAR-->
<!-- END MENU SIDEBAR-->
<!-- PAGE CONTAINER-->
<div class="page-container">
<!-- HEADER DESKTOP-->
<?php include_once('includes/header.php');?>
<!-- HEADER DESKTOP-->
<!-- MAIN CONTENT-->
<div class="main-content">
<div class="section__content section__content--p30">
<div class="container-fluid">
<div class="row">
<div class="col-lg-12">
<div class="card">
<div class="card-header">

```

```

<strong>Change</strong> Admin Password
</div>
<div class="card-body card-block">
<form action="" method="post"
enctype="multipart/form-data" class="form-horizontal"
name="changepassword" onsubmit="return checkpass();">
<p style="font-size:16px; color:red" align="center">
<?php if($msg){
echo $msg;
} ?> </p>
<?php
$adminid=$_SESSION['cvmsaid'];
$ret=mysqli_query($con,"select * from tbladmin where ID='$adminid'");
$cnt=1;
while ($row=mysqli_fetch_array($ret)) {
?>
<div class="row form-group">
<div class="col col-md-3">
<label for="text-input" class=" form-controllabel">Current Password</label>
</div>
<div class="col-12 col-md-9">
<input type="password" id="currentpassword"
name="currentpassword" value="" class="form-control" required="">
</div>
</div>
<div class="row form-group">
<div class="col col-md-3">
<label for="email-input" class=" form-controllabel">New Password</label>
</div>
<div class="col-12 col-md-9">
<input type="password" id="newpassword"
name="newpassword" value="" class="form-control" required="">
</div>
</div>
<div class="row form-group">
<div class="col col-md-3">
<label for="password-input" class=" formcontrol-label">Confirm
Password</label>

```

```

</div>
<div class="col-12 col-md-9">
<input type="password" id="confirmpassword"
name="confirmpassword" class="form-control" maxlength="10" value=""
required="">
</div>
</div>
<?php } ?>
<div class="card-footer">
<p style="text-align: center;"><button type="submit"
name="submit" id="submit" class="btn btn-primary btn-sm">Change
</button></p>
</div>
</form>
</div>
</div>
<?php include_once('includes/footer.php');?>
</div>
</div>
</div>
</div>
</div>
</div>
<!-- JQuery JS-->
<script src="vendor/jquery-3.2.1.min.js"></script>
<!-- Bootstrap JS-->
<script src="vendor/bootstrap-4.1/popper.min.js"></script>
<script src="vendor/bootstrap-4.1/bootstrap.min.js"></script>
<!-- Vendor JS -->
<script src="vendor/slick/slick.min.js">
</script>
<script src="vendor/wow/wow.min.js"></script>
<script src="vendor/ansition/ansition.min.js"></script>
<script src="vendor/bootstrap-progressbar/bootstrap-progressbar.min.js">
</script>
<script src="vendor/counter-up/jquery.waypoints.min.js"></script>
<script src="vendor/counter-up/jquery.counterup.min.js">
</script>

```

```

<script src="vendor/circle-progress/circle-progress.min.js"></script>
<script src="vendor/perfect-scrollbar/perfect-scrollbar.js"></script>
<script src="vendor/chartjs/Chart.bundle.min.js"></script>
<script src="vendor/select2/select2.min.js">
</script>
<!-- Main JS-->
<script src="js/main.js"></script>
</body>
</html>
<!-- end document-->
<?php } ?>

```

## **VISITOR FORM :**

### **Visitor-form.php:**

```

<?php
session_start();
error_reporting(0);
include('includes/dbconnection.php');
if (strlen($_SESSION['cvmsaid']==0)) {
  header('location:logout.php');
} else{
if(isset($_POST['submit']))
{
$cvmsaid=$_SESSION['cvmsaid'];
$fullname=$_POST['fullname'];
$mobnumber=$_POST['mobilenumber'];
$email=$_POST['email'];
$add=$_POST['address'];
$whomtomeet=$_POST['whomtomeet'];
$department=$_POST['department'];
$reasontomeet=$_POST['reasontomeet'];
$query=mysqli_query($con,"insert into
tblvisitor(FullName,Email,MobileNumber,Address,WhomtoMeet,Department,
ReasonToMeet)
value('$fullname','$email','$mobnumber','$add','$whomtomeet','$department','$r
easontomeet')");
if ($query) {
$msg="Visitors Detail has been added.";
}
}

```

```

else
{
$msg="Something Went Wrong. Please try again";
}
}
?>
<!DOCTYPE html>
<html lang="en">
<head>
<!-- Required meta tags-->
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no">
<meta name="description" content="au theme template">
<meta name="author" content="Hau Nguyen">
<meta name="keywords" content="au theme template">
<!-- Title Page-->
<title>CVSM Visitors Forms</title>
<!-- Fontfaces CSS-->
<link href="css/font-face.css" rel="stylesheet" media="all">
<link href="vendor/font-awesome-5/css/fontawesome-all.min.css"
rel="stylesheet" media="all">
<link href="vendor/font-awesome-4.7/css/font-awesome.min.css"
rel="stylesheet" media="all">
<link href="vendor/mdi-font/css/material-design-iconic-font.min.css"
rel="stylesheet" media="all">
<!-- Bootstrap CSS-->
<link href="vendor/bootstrap-4.1/bootstrap.min.css" rel="stylesheet"
media="all">
<!-- Vendor CSS-->
<link href="vendor/animation/animation.min.css" rel="stylesheet"
media="all">
<link href="vendor/bootstrap-progressbar/bootstrap-progressbar-
3.3.4.min.css" rel="stylesheet" media="all">
<link href="vendor/wow/animate.css" rel="stylesheet" media="all">
<link href="vendor/css-hamburgers/hamburgers.min.css" rel="stylesheet"
media="all">
<link href="vendor/slick/slick.css" rel="stylesheet" media="all">

```

```

<link href="vendor/select2/select2.min.css" rel="stylesheet" media="all">
<link href="vendor/perfect-scrollbar/perfect-scrollbar.css" rel="stylesheet"
media="all">
<!-- Main CSS-->
<link href="css/theme.css" rel="stylesheet" media="all">
</head>
<body class="animsition">
<div class="page-wrapper">
<!-- HEADER MOBILE-->
<?php include_once('includes/sidebar.php');?>
<div class="page-container">
<!-- HEADER DESKTOP-->
<?php include_once('includes/header.php');?>
<!-- HEADER DESKTOP-->
<!-- MAIN CONTENT-->
<div class="main-content">
<div class="section__content section__content--p30">
<div class="container-fluid">
<div class="row">
<div class="col-lg-12">
<div class="card">
<div class="card-header">
<strong>Add</strong> New Visitors
</div>
<div class="card-body card-block">
<form action="" method="post"
enctype="multipart/form-data" class="form-horizontal">
<p style="font-size:16px; color:red" align="center">
<?php if($msg){
echo $msg;
} ?> </p>
<div class="row form-group">
<div class="col col-md-3">
<label for="text-input" class=" form-controllabel">Full Name</label>
</div>
<div class="col-12 col-md-9">
<input type="text" id="fullname"
name="fullname" placeholder="Full Name" class="form-control" required="">

```

```

</div>
</div>
<div class="row form-group">
<div class="col col-md-3">
<label for="email-input" class=" form-controllabel">Email Input</label>
</div>
<div class="col-12 col-md-9">
<input type="email" id="email" name="email"
placeholder="Enter Email" class="form-control" required="">
</div>
</div>
<div class="row form-group">
<div class="col col-md-3">
<label for="password-input" class=" formcontrol-label">Phone
Number</label>
</div>
<div class="col-12 col-md-9">
<input type="text" id="mobilenumber"
name="mobilenumber" placeholder="Mobile Number" class="form-control"
maxlength="10" required="">
</div>
</div>
<div class="row form-group">
<div class="col col-md-3">
<label for="textarea-input" class=" formcontrol-label">Address</label>
</div>
<div class="col-12 col-md-9">
<textarea name="address" id="address"
rows="9" placeholder="Enter Visitor Address..." class="form-control"
required=""></textarea>
</div>
</div>
<div class="row form-group">
<div class="col col-md-3">
<label for="password-input" class=" formcontrol-label">Whom to
Meet</label>
</div>
<div class="col-12 col-md-9">

```

```

<input type="text" id="whomtomeet"
name="whomtomeet" placeholder="Whom to Meet" class="form-control"
required="">
</div>
</div>
<div class="row form-group">
<div class="col col-md-3">
<label for="password-input" class=" formcontrol-label">Department</label>
</div>
<div class="col-12 col-md-9">
<input type="text" id="department"
name="department" placeholder="Department" class="form-control"
required="">
</div>
</div>
<div class="row form-group">
<div class="col col-md-3">
<label for="password-input" class=" formcontrol-label">Reason To
Meet</label>
</div>
<div class="col-12 col-md-9">
<input type="text" id="reasontomeet"
name="reasontomeet" placeholder="Reason To Meet" class="form-control"
required="">
</div>
</div>
<div class="card-footer">
<p style="text-align: center;"><button type="submit"
name="submit" id="submit" class="btn btn-primary btn-sm">Submit
</button></p>
</div>
</form>
</div>
</div>
</div>
</div>
<?php include_once('includes/footer.php');?>
</div> </div>

```

```

</div>
</div>
</div>
<!-- JQuery JS-->
<script src="vendor/jquery-3.2.1.min.js"></script>
<!-- Bootstrap JS-->
<script src="vendor/bootstrap-4.1/popper.min.js"></script>
<script src="vendor/bootstrap-4.1/bootstrap.min.js"></script>
<!-- Vendor JS -->
<script src="vendor/slick/slick.min.js">
</script>
<script src="vendor/wow/wow.min.js"></script>
<script src="vendor/ansition/ansition.min.js"></script>
<script src="vendor/bootstrap-progressbar/bootstrap-progressbar.min.js">
</script>
<script src="vendor/counter-up/jquery.waypoints.min.js"></script>
<script src="vendor/counter-up/jquery.counterup.min.js">
</script>
<script src="vendor/circle-progress/circle-progress.min.js"></script>
<script src="vendor/perfect-scrollbar/perfect-scrollbar.js"></script>
<script src="vendor/chartjs/Chart.bundle.min.js"></script>
<script src="vendor/select2/select2.min.js">
</script>
<!-- Main JS-->
<script src="js/main.js"></script>
</body>
</html>
<!-- end document-->
<?php } ?>

```

## **Logout:**

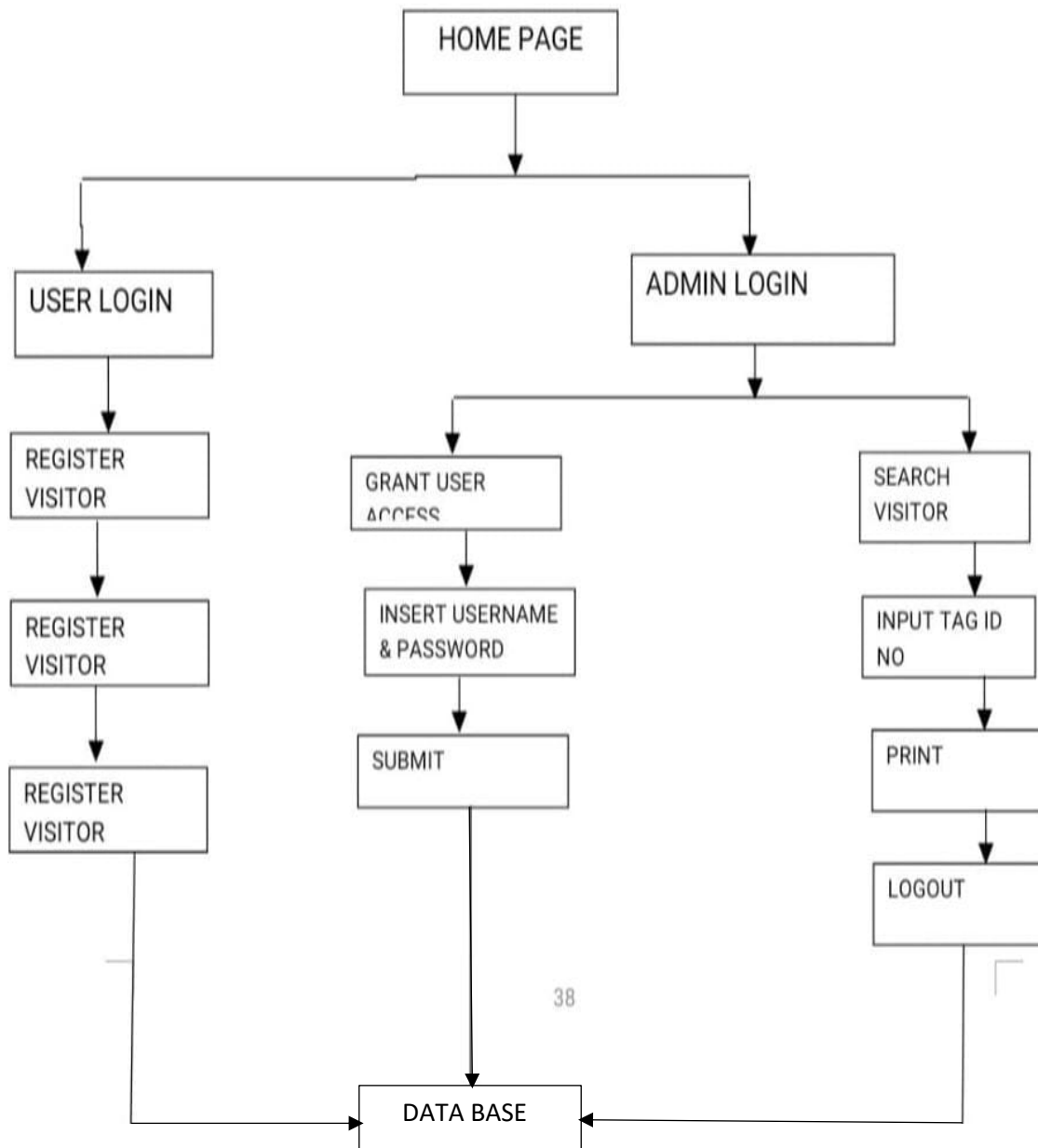
### **logout.php:**

```

<?php
session_start();
session_unset();
session_destroy();
ghheader('location:index.php');?>

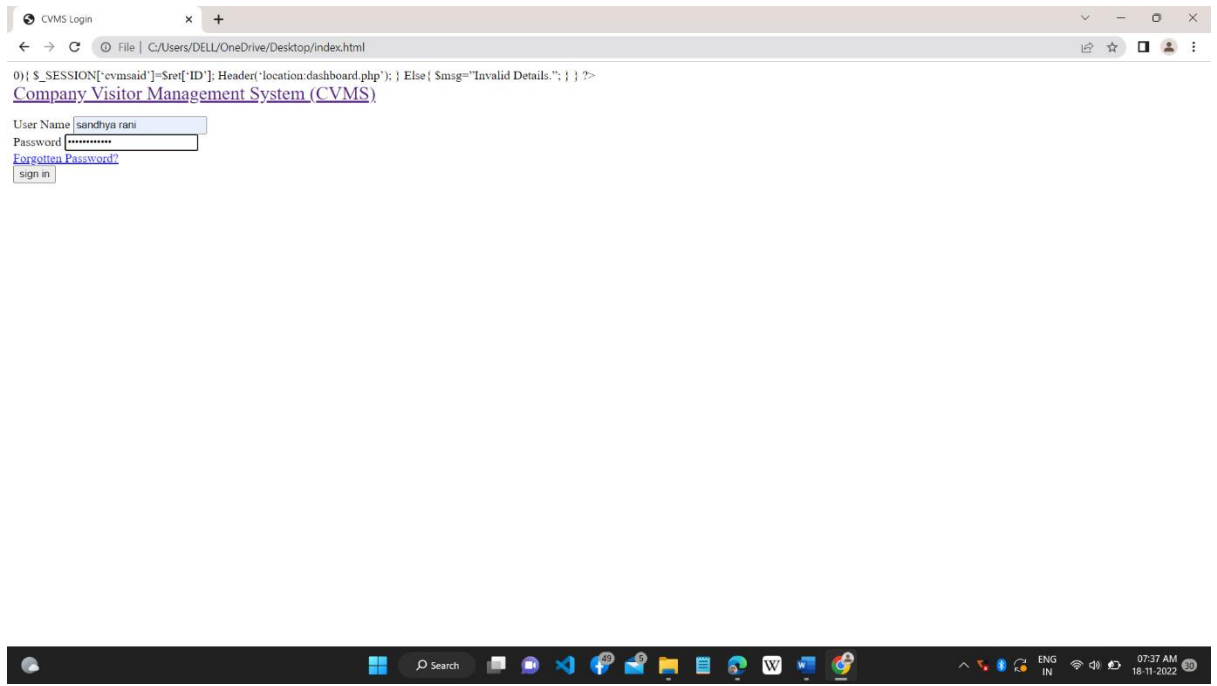
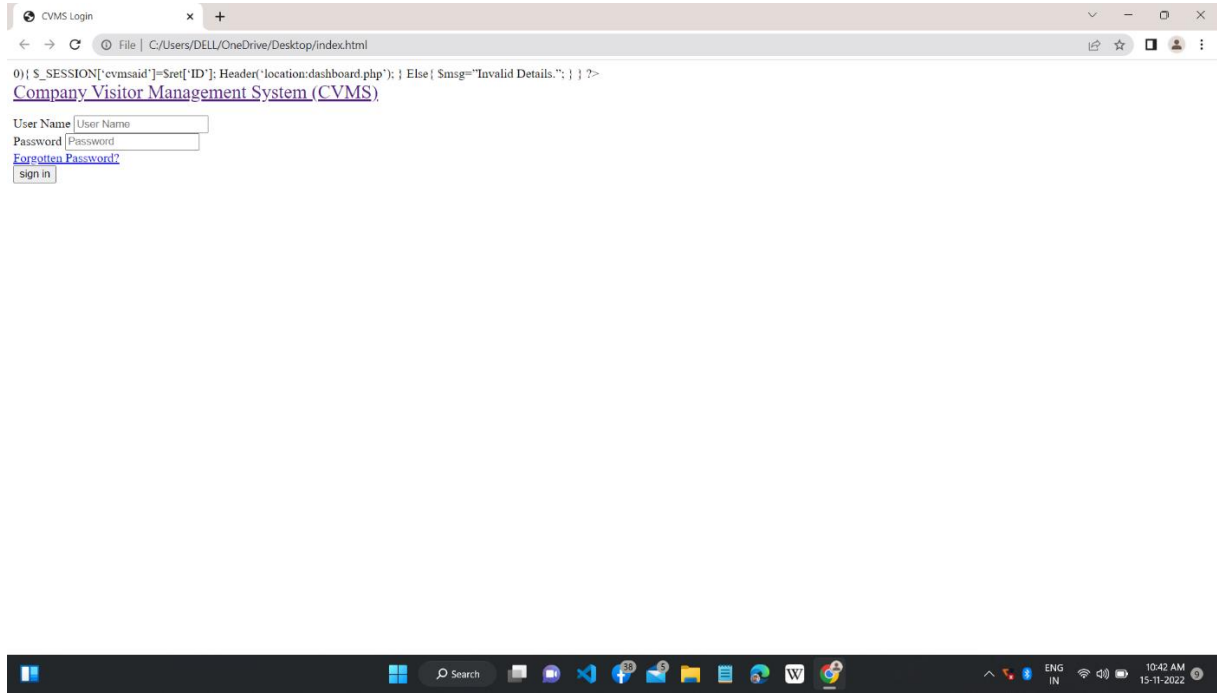
```

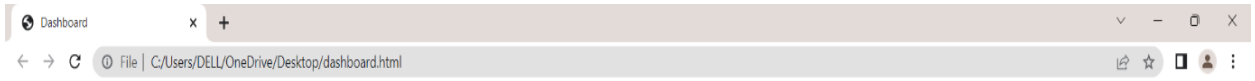
## 5.4 IMPLEMENTATION ARCHITECTURE :-



# SCREEN SHOTS :-

## Screenshots for Admin login:





Today's Visitors

Yesterday Visitors

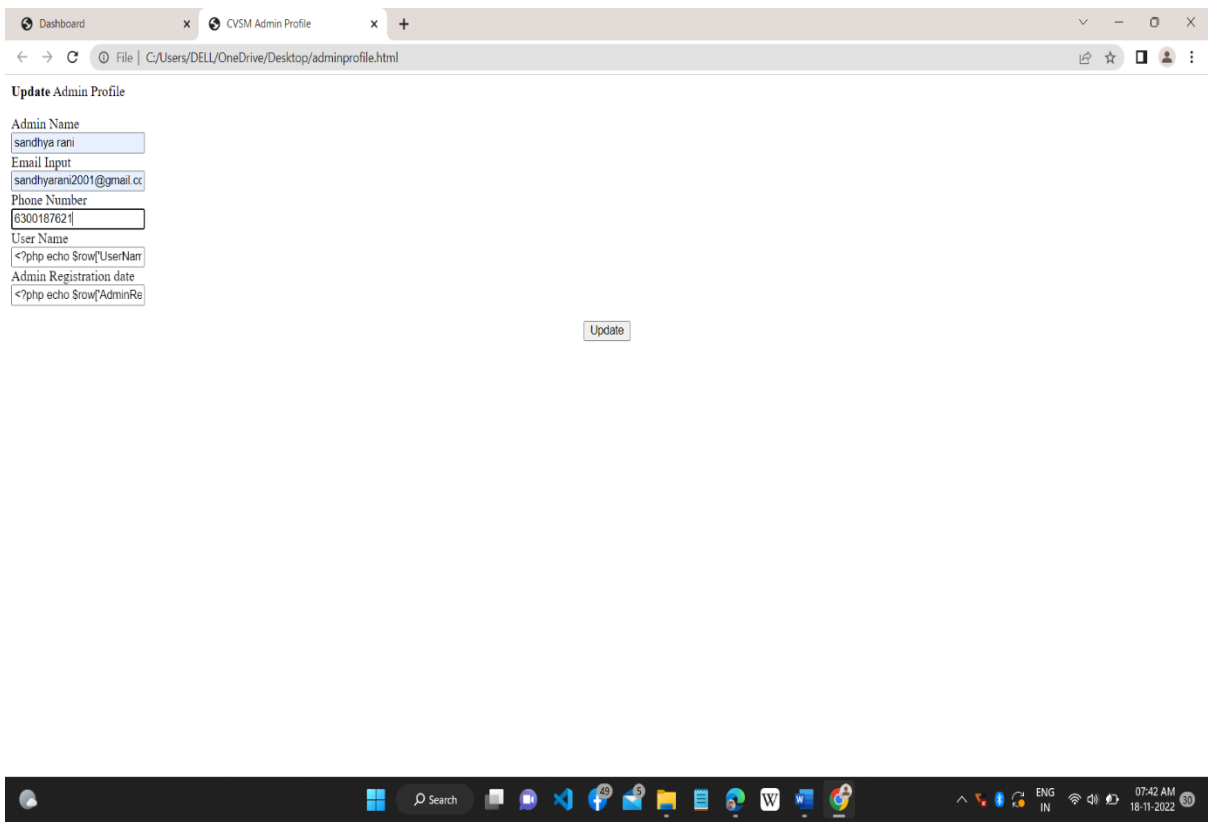
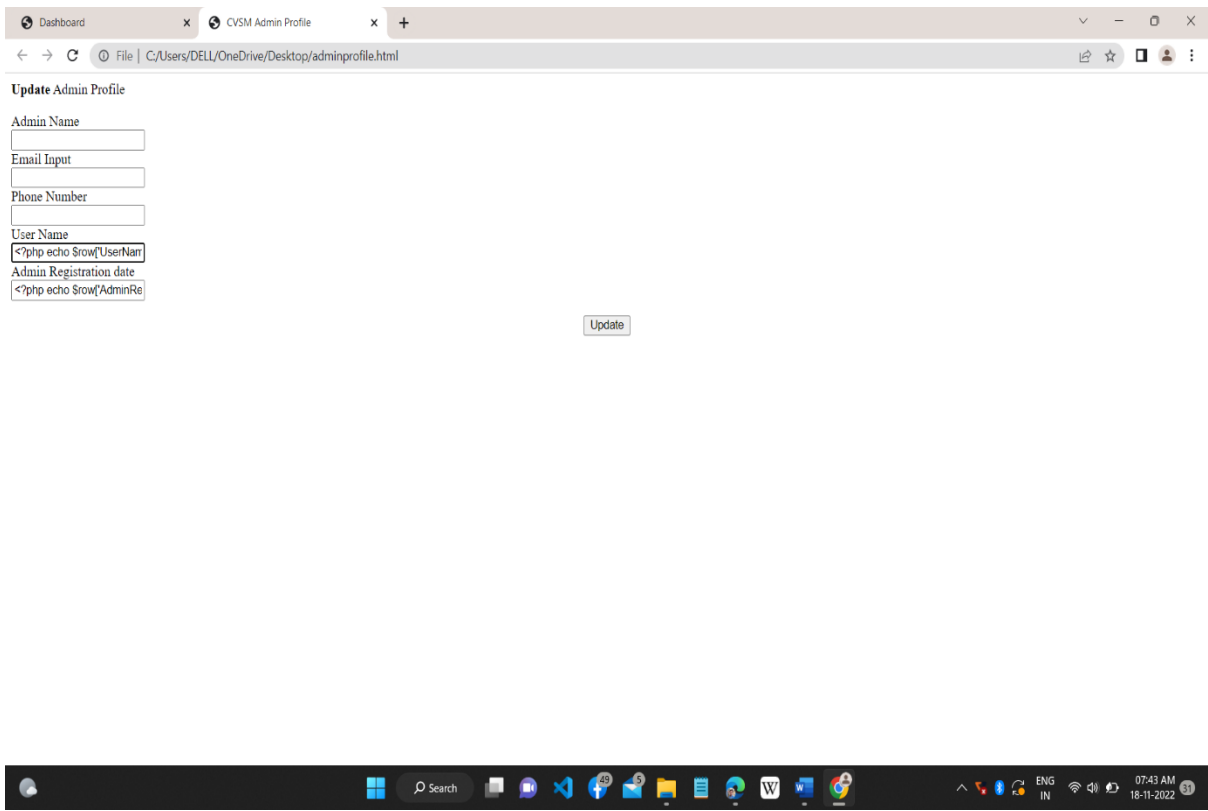
```
=(DATE(NOW()) - INTERVAL 7 DAY); Scount_lastsevendays_visitors=mysqli_num_rows($query2); ?>
```

Last 7 Days Visitors

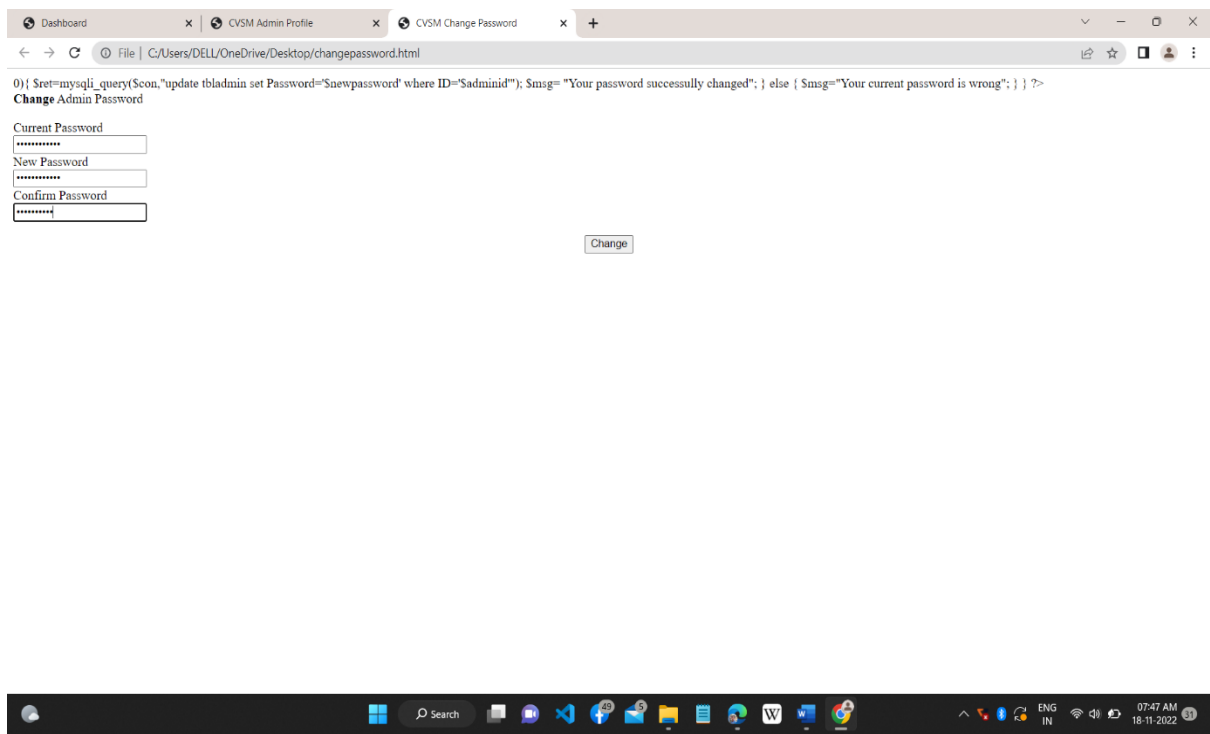
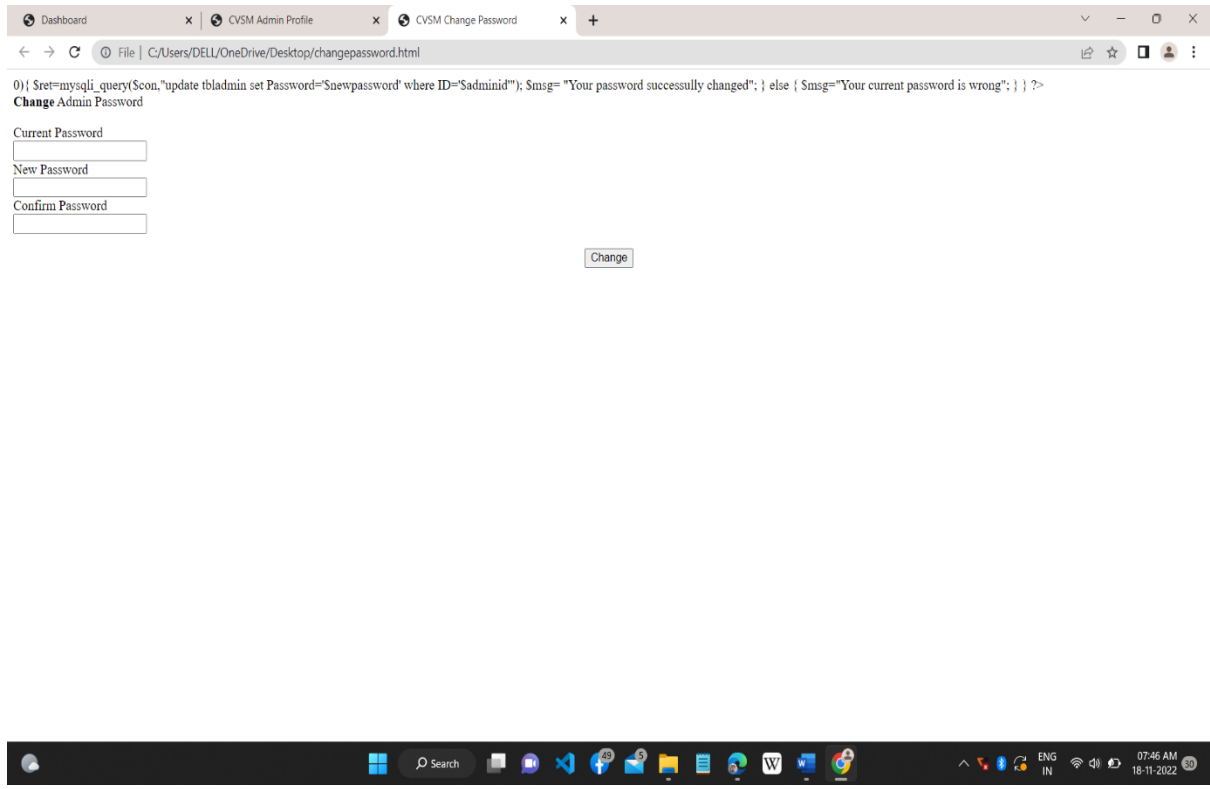
Total Visitors Till Date



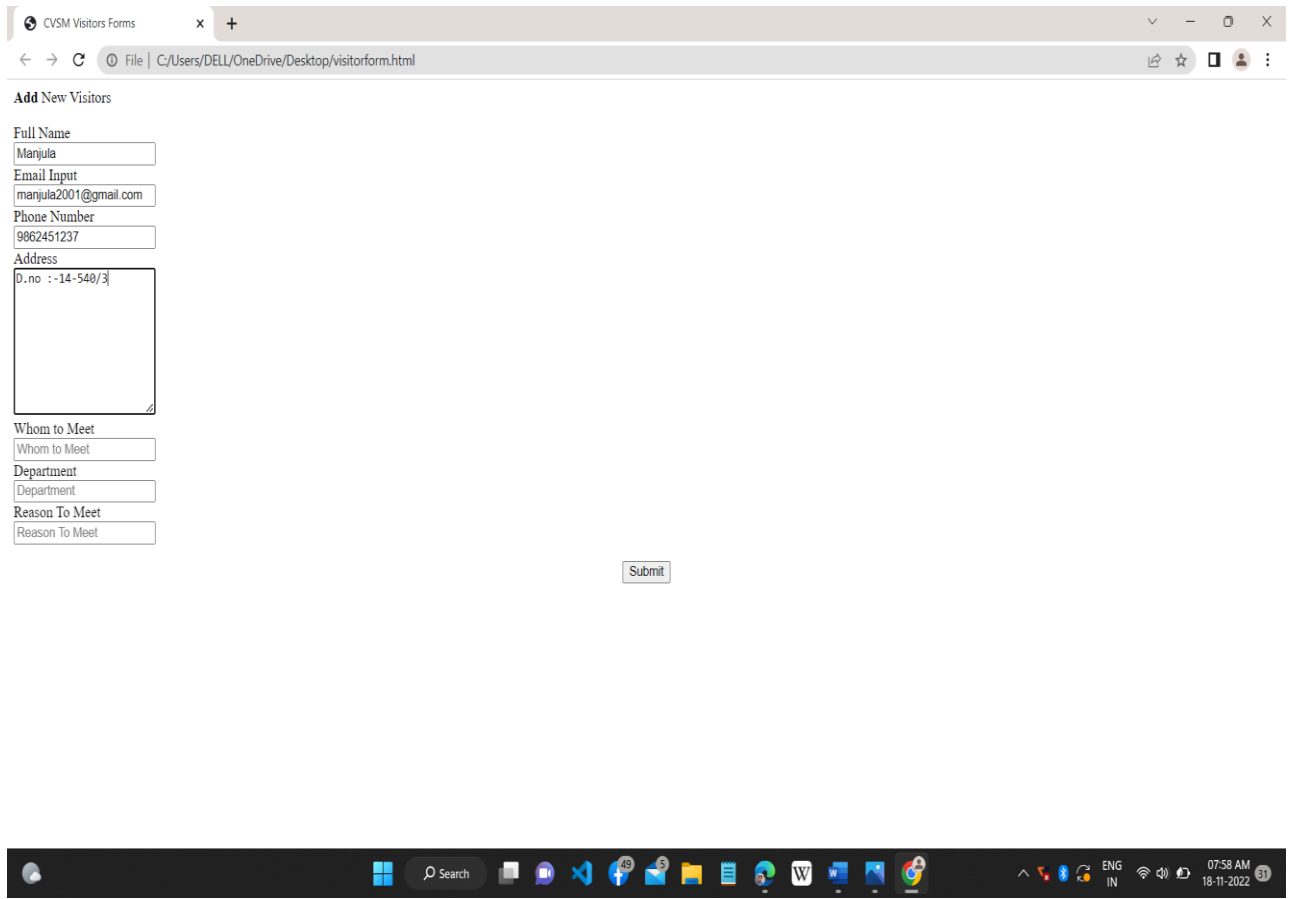
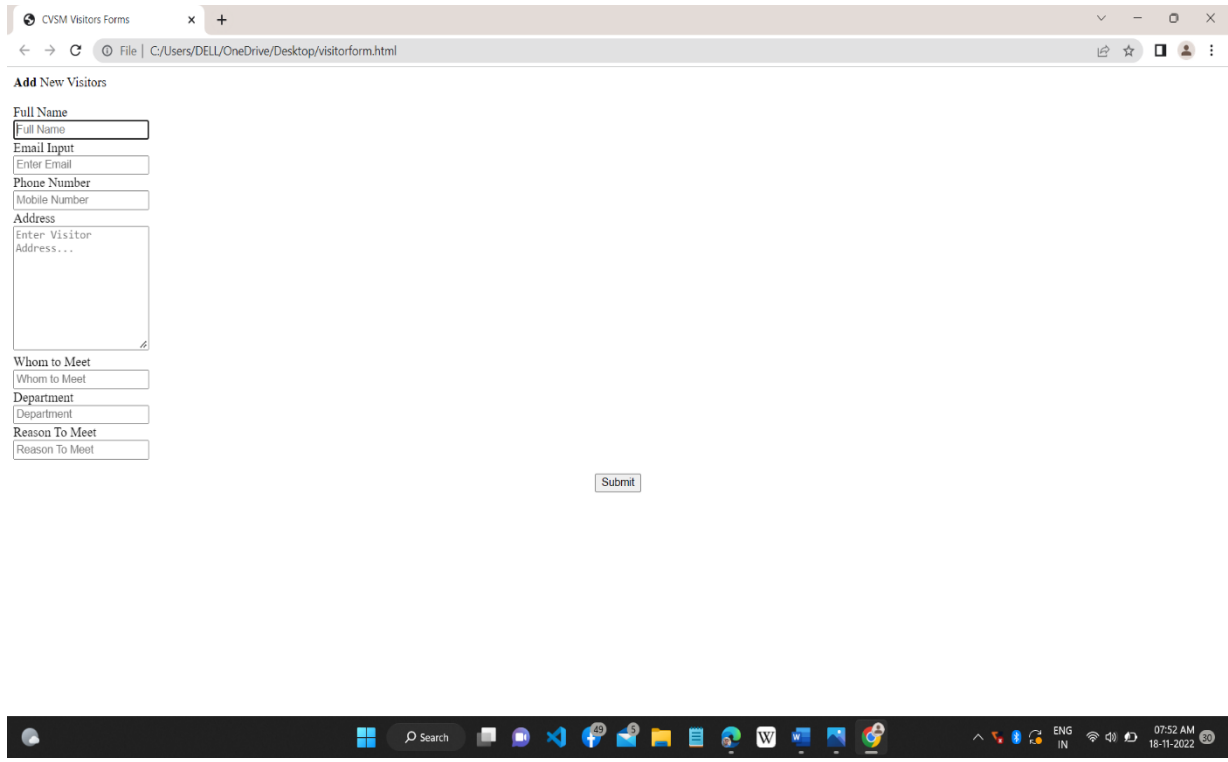
# Screenshots for Admin Profile:



# Screenshots for Change Password:



# Screenshots for visitor form:



## **5.5 SOFTWARE TESTING :-**

During the development of the system, the application undergoes two phases of testing:

**Firstly:** Testing done during development phase. This testing includes:

- Syntax error testing: this method of testing is used to check all the syntax errors during the development. It also checks the programming pattern of the language, for instance dollar (\$) is used to denote variable name in php while in java the variable name will just appear as ordinary text, in javascript it will use the name “var” to show variable name.
- Compatibility testing: this testing is used to test if all the languages used during the programming were compatible with each other.
- Logical testing: this is the argument involved during the programming. This will check whether the argument is accepted by the system or not.

**Secondly,** testing done by running the software on realistic data samples. This testing includes:

- Running the application in its fullness using a local server such as wamp server, xampp server, lamp server etc that have local host which is using Apache as engine and MYSQL as the database.
- Browser testing: this testing is used to test the appearance and shape of the software on the browser. This testing also replaces system testing in desktop application.

# **CHAPTER – 6**

# **CONCLUSION**

## **6.1 CONCLUSION :-**

The web based visitor's management system will help manage visitor's information, time, period and purpose of visiting an institution or organization. It also means through which the security personnel determines the number of visitors visited in a particular period of time, it help them during report writing.

Visitor's management in protected areas and has become increasingly important in a world where business is flourishing, the area of the organization is growing, as the organization is demand for remote, unique destinations. Visitor management used to be focused on carrying capacity and minimizing the environmental effects of the organization, but evolved to adopt many different approaches in order to achieve the goal or environmental stewardship and visitor satisfaction.

I concluded that using web based management system to control visitors flow will be beneficial for an organization that buy the idea because of its security purpose and loss of data are drastically reduces since the database is online and cannot be interred with physical damages. After carefully observed the research project, I found out that the web based visitors management system will be best practice to put in use, especially in this era of computer technology where human beings embrace any method that involves the use of computer system.

## **6.2 RECOMMENDATIONS FOR FUTURE WORK :-**

Recommendation may be desired as counsel on the study method in a certain situation, the full supply a thought of proposal and ideas providing an advantage guide lines covering the difficulties solutions, and beneficial outcome. The suggestion might be persuasive and tailored to the particular condition that has arisen. In this perspective, the unambiguous example of the paper-based plan is inextricably linked to precise facts and cannot be theorized about since it is only a supposition.

Visitor management systems are recommended for the company and, more specifically, for the concerned users because they will shift them to a more straight forward and accurate process, which is especially important and when there is a high demand for visiting the company, while also enhancing business relationships between company. However, this system is highly suggested for managers and secretaries who contact with guest arrangements on a regular basis in order to manage their visitors from their initial impression of the company to identifying and monitoring them. I would advocate implementing a visitor control system to boost the premises safety and security.

# **CHAPTER - 7**

# **REFERENCES**

## **REFERENCES :-**

- <https://www.proxyclick.com/visitor-management-system>
- [https://sequire.app//visitor-management-system.php?gclid=Cj0KCQiAsdKbBhDHARIsANJ6-jdVaJyDbZkiCun8-Z4jCqPrci5DQBU0GfUIOPYZPS4ATkXQ6ryHqEYaAqQwEALw\\_wcB](https://sequire.app//visitor-management-system.php?gclid=Cj0KCQiAsdKbBhDHARIsANJ6-jdVaJyDbZkiCun8-Z4jCqPrci5DQBU0GfUIOPYZPS4ATkXQ6ryHqEYaAqQwEALw_wcB)
- <https://www.projectreserve.com/2020/01/design-and-implementation-of-a-visitor-management-system.html?m=1>
- <https://projectworlds.in/visitor-management-system-in-php-and-mysql/>
- <https://code-projects.org/visitor-management-system-in-php-with-source-code/>
- <https://huboftutorials.com/company-visitors-management-system/>