

**K.J. Somaiya College of Science & Commerce**

**Vidyavihar (E), Mumbai - 400077**

**Autonomous**

**Affiliated to University of Mumbai**



**Project Report**

**ON**

**Visitor Management System**

**SUBMITTED BY**

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**T.Y.BSC (COMPUTER SCIENCE)**

**UNIVERSITY OF MUMBAI**

**2020 - 2021**

**PROJECT GUIDE**

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**K.J. Somaiya College of Science & Commerce**

**Vidyavihar, Mumbai – 400077.**



**Autonomous – Affiliated to University of Mumbai**

**DEPARTMENT OF COMPUTER SCIENCE**

**(2020 - 2021)**

**CERTIFICATE**

This is to certify **Mr. Aquib Husain** of T.Y.B.sc. [Computer Science] Semester -VI, Seat no - 2009812 has successfully completed the project entitled as Virtual Waiter Application during the academic year 2020 - 2021.

**Internal Guide**

**Date:**

**Course Coordinator BSc (CS)**  
**Date:**

**College Seal**

**External Examiner**  
**Date:**

# ACKNOWLEDGEMENT

Achievement is finding out what you would be doing rather than what you have to do. It is not until you undertake such a project that you realize how much effort and hard work it really is, what your capabilities are and how well you present yourself or other things. It tells you how much we rely on the efforts and goodwill of others. It gives me immense pleasure to present this report towards fulfilment of my project.

It has been rightly said that we are built on the shoulder of others. For everything I have achieved, the credit goes to all those who have helped me to complete this project successfully.

I take this opportunity to express my profound gratitude to management of K. J. Somaiya College of Science and Commerce for giving me this opportunity to accomplish this project work.

A special vote of thanks to my teachers, **Miss.Suchita Mandhare, Mr. Mohammad Bilal Shaikh, Miss. Kirti Amberkar, Miss. Mousmi Pawar,** and **Miss Monali Deshpande** for their most sincere, useful and encouraging contribution throughout the project span.

Mr. Aquib Husain

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## Organisation Overview

Visitor management systems are usually used in places where a large number of visitors come and go. Whether we are running a huge corporate company or a small office, we will have to deal with visitors on a daily basis. For the sake of safety, we should keep track of all those who visit your premises. Visitor management system records the visitant details in the database to maintain records of all the people who visited the building. By stacking information, a Visitor Management System can record the usage of the facilities by specific visitors and offer documentation of visitors. Modern visitor management system enables the operator to know the total visitors inside the premises replacing the old technique of manually entering all the visitor's details by automating the entire process. On the time of registration the Visitors are provided access which indicates the area to which the Visitors should access. System also has an inbuilt facility to indicate or investigate previous visits made by the visitor which increases authentication of visitors. Manual systems are boring because of its time consumption but in this visitor management software it records all-relevant information about the visitor and stores it automatically.

## **Description of Existing System**

The System shall support a Visitor Management System(VMS) to allow the user to track visitors, employees, assets and deliveries as they enter and exit the facilities. The system shall reduce visitor queues by automatically processing multiple visitors simultaneously at one station. The system shall support printing of custom designed visitor passes with expiration date, visit area, host being visited, and visit purpose. In addition, the VMS shall allow the user to keep track of contractors and consultant timesheets, track which Employees have regular personal Visitor, secure Visitor Log , clearly identify Visitors by category to restrict access to vulnerable goods and information, generate end-of day reports to ensure regulatory compliance

## **Limitations of Existing System**

The existing system faces few disadvantages such as, Visitors can't check the availability of the employee from the visitor's location. Manually booking an employee will be complex work to admin. Blocking a troublesome visitor is not possible in the system.

Also, If there are many visitors at a time the admin would take a few more minutes to register them in the system.

If there are any luggage or other huge deliveries, there is no option for the admin to register the delivery.

# **Proposed System and their advantages**

VMS has one module i.e admin.

1. **Dashboard:** In this section, admin can briefly view how many visitors visited in a particular period.
2. **Visitors:** In this section, admin adds new visitors by filling their information in add visitors sections and also view and manage visitors records. Admin also puts visitors out of time in the manage records section.
3. **Search:** In this bar, admin can search a particular person by their name and phone number.
4. **Reports:** In this section admin can generate visitors reports between two dates.

Admin can also update his profile, change password and recover password.

## **Advantages of proposed system**

- **Better Visibility :** As visitor information is logged in the visitor management system and a photo ID is captured, it is possible to identify and track individuals in the building.
- **Improved Security :** Enhanced safety is one of the most important benefits of a visitor management system. It's vital for any organisation, company or workplace to be aware of everything that goes on within the premises. The ability to identify visitors allows staff to be prepared for any unwanted circumstance. If someone has caused trouble in the past they will be identified quickly. The system also ensures that visitors can only enter authorised areas. One key benefit of a visitor management system is the ability to quickly access a full list of all staff, visitors and contractors on site for use in an emergency.
- **Enhanced Brand Image :** The integration of technology within the has become an essential part of a modern working environment. The presence of a visitor management system can give a technologically-minded visitor a positive first impression of the company. Sometimes these features are required to attract the attention of potential customers, who may think more highly of the business.



They also ensure everyone on the premises feels secure and anyone who enters the building behaves in a professional manner.

- **Reduced Overheads :** One of the primary benefits of a visitor management system is the way in which enhanced productivity and efficiency lead to reduced costs. For example, a visitor management system can eliminate the costs associated with traditional visitor management as there is no need to purchase new paper visitor books badges, thereby reducing recurring costs. A visitor management system increases productivity while also offering a great return on investment by reducing running costs.

# Stakeholders

A stakeholder is either an individual, group or organization who is impacted by the outcome of a project. They have an interest in the success of the project, and can be within or outside the organization that is sponsoring the project.

Following are the stakeholders for the project

1. Developer

A developer is the main person of the system. Developer knows all the information about the system. Developer deals with managing the user records and the whole database.

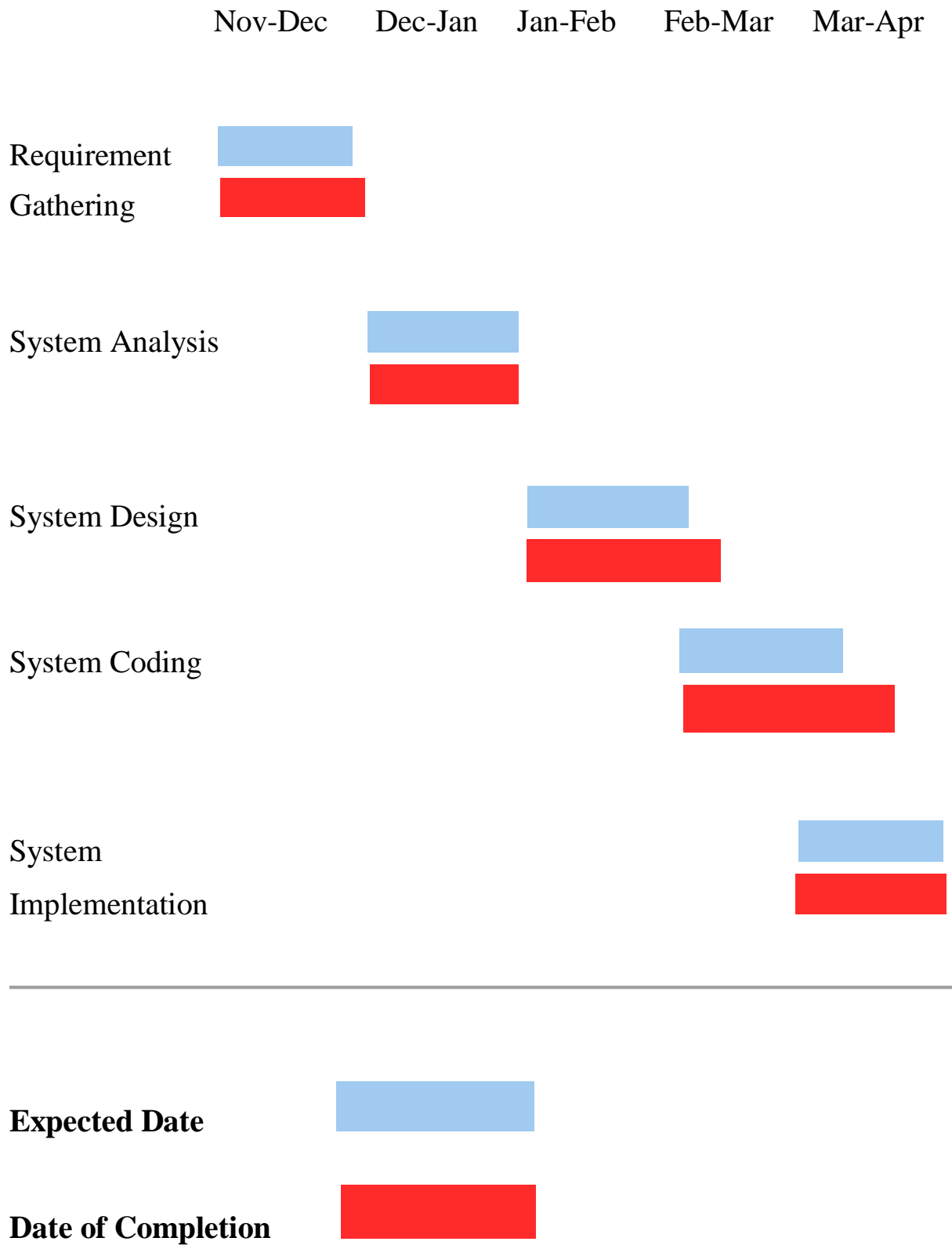
2. Security

Your security staff handles safety for everyone and everything on your premises. So for them, unknown visitors are all potential threats until proven otherwise after screening.

3. Reception staff

Your reception team is responsible for your company's front line. They're the ones who first greet your visitors, assist them with the check-in process, and make sure visitors are taken care of.

# Gantt Chart



# Technologies Used and their description

## Hardware Requirements.

- Pentium IV or higher (PIV-300GHz recommended)
- 1 GB of free hard-drive space
- 256 MB of RAM

## Software Requirements.

- Language Used : PHP
- Database : MySQL
- User Interface Design : HTML, AJAX,JQUERY,JAVASCRIPT
- Web Browser : Mozilla, Google Chrome, IE8, OPERA
- Software : XAMPP / Wamp / Mamp/ Lamp (anyone)

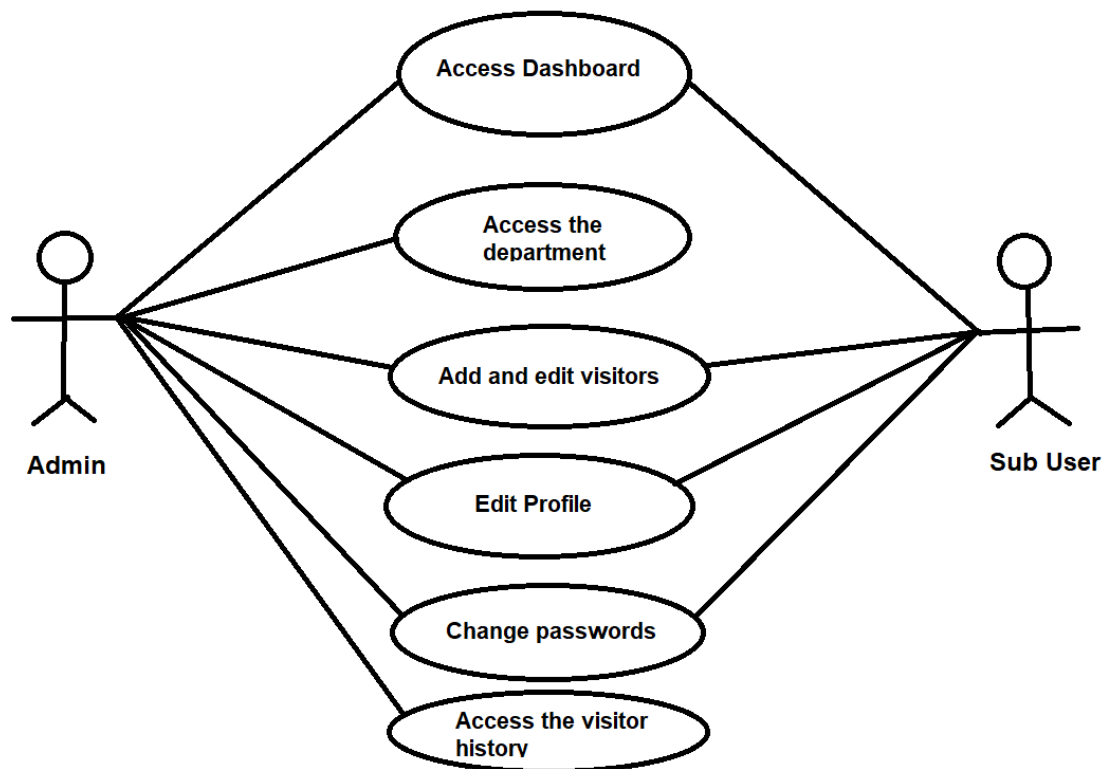
## Event Table

Event	Trigger	Source	Use Case	Response	Destination
Enters Login Details	Requests to launch Dashboard	Admin/ Sub User	Creates a database.	Redirect to Dashboard	User/ Database
Clicks on User	Requests for user management	Admin/ Sub User	List of all the Users	Redirect to User Management	Admin/Sub User
Clicks on Department	Requests for Department Area	Admin	List of all the Departments	Redirects to Department area	Admin
Clicks on Visitor	Requests for Visitor Area	Admin/ Sub User	List of all the Visitors	Display all the Visitors	Admin/ Sub User
Clicks on Profile	Requests for Profile	Admin/ Sub User	Launches Profile	Display Profile settings	Admin/ Sub User
Clicks on Change Password	Requests to Change password	Admin/ Sub User	Option to Change password	Redirects to change password	Admin/Sub User/ Database
Clicks on CSV icon	Requests to download a list	Admin/ Sub User	To download the visitors list	Downloads a file	Admin/ Sub User
Clicks on Add visitor icon	Requests to add new visitor	Admin/ Sub User	To add a new visitor	Redirects to a form	Admin / Database
Clicks on Edit Data button	Requests to edit a given visitor data	Admin/ Sub User	To Edit the data of a visitor	Redirects to the edit visitor details	Admin / Database
Clicks on Eye button	Requests to View visitor details	Admin/ Sub User	To View visitor details	Redirects to the visitor details	Admin
Click on Log Out	Requests to go to Registration Page	Admin/ Sub User	To stop the session	Redirects to Home Page	Admin/ Sub User

## Use Case Diagram and Basic Scenarios & Use Case Description

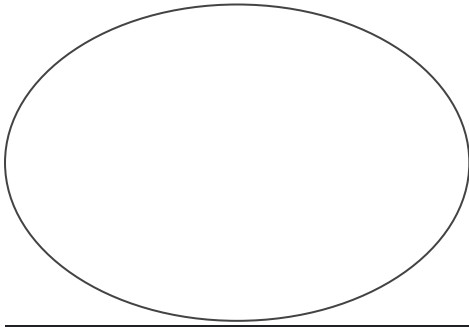
### Description

A use case diagram is a dynamic or behavior diagram in UML. Use case diagrams model the functionality of a system using actors and use cases. Use cases are a set of actions, services, and functions that the system needs to perform. In this context, “system” is something being developed or operated, as a web application. The “actors”; are users and admin operating under defined roles within the system.

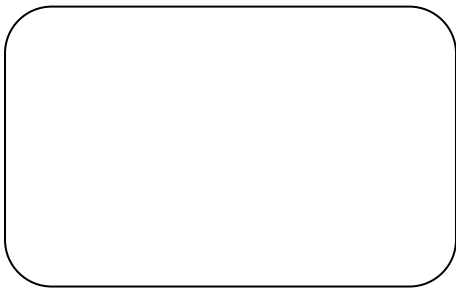


# ER Diagram

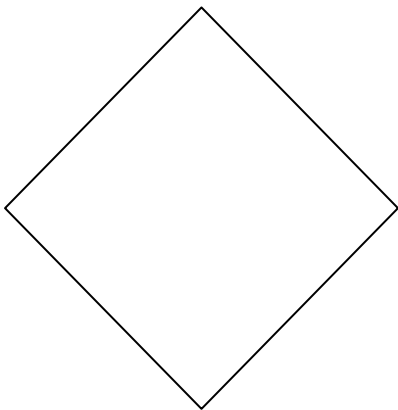
## ERD Symbol



Attribute

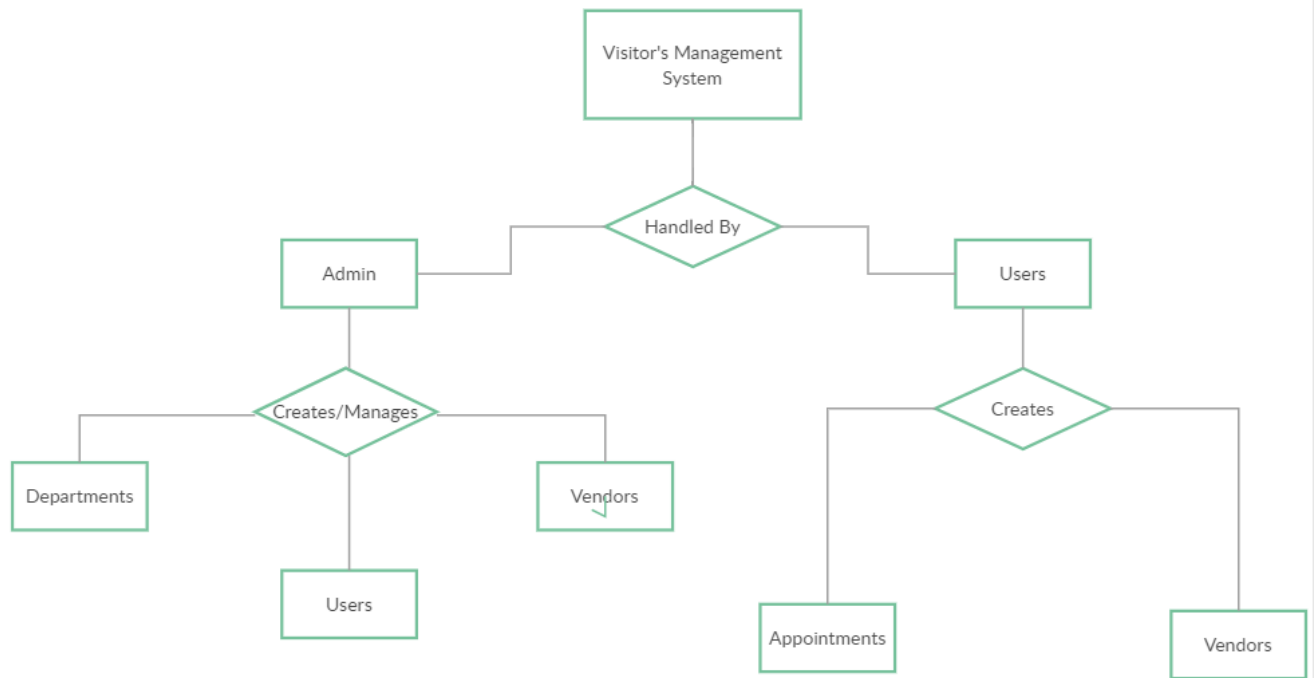


Entity



Relationship

## ER DIAGRAM

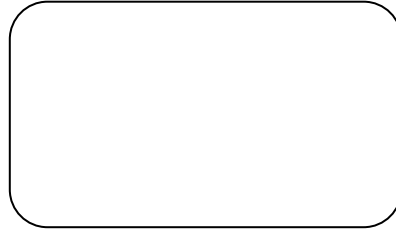




# Data Flow Diagram

## DFD Symbol

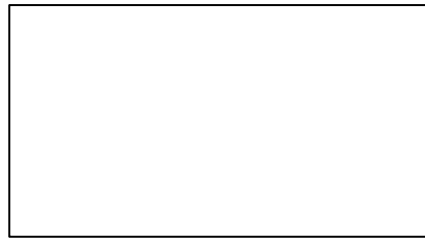
**1. Process**



**2. Data Flow**

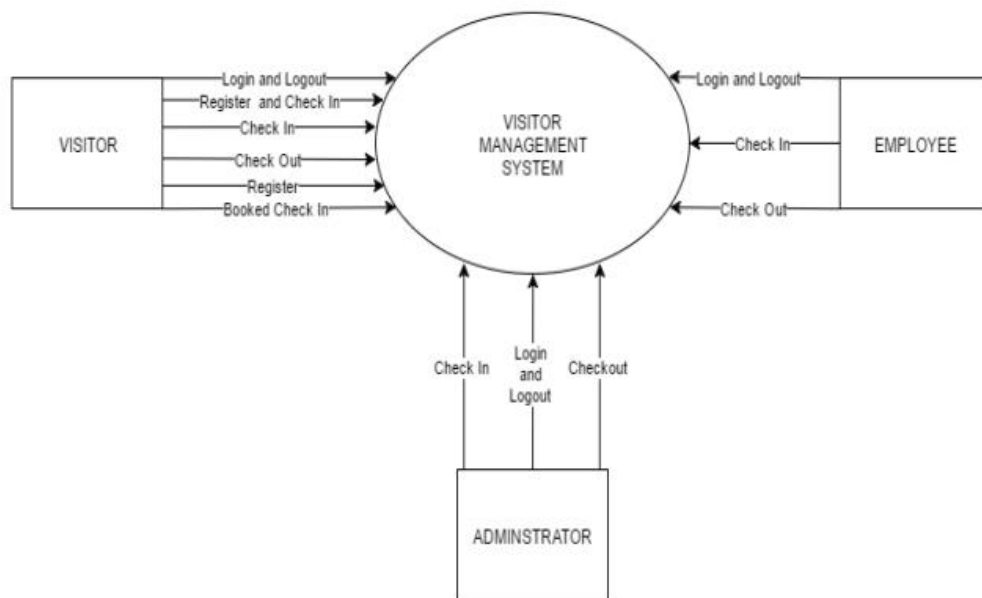


**3. External Entity**

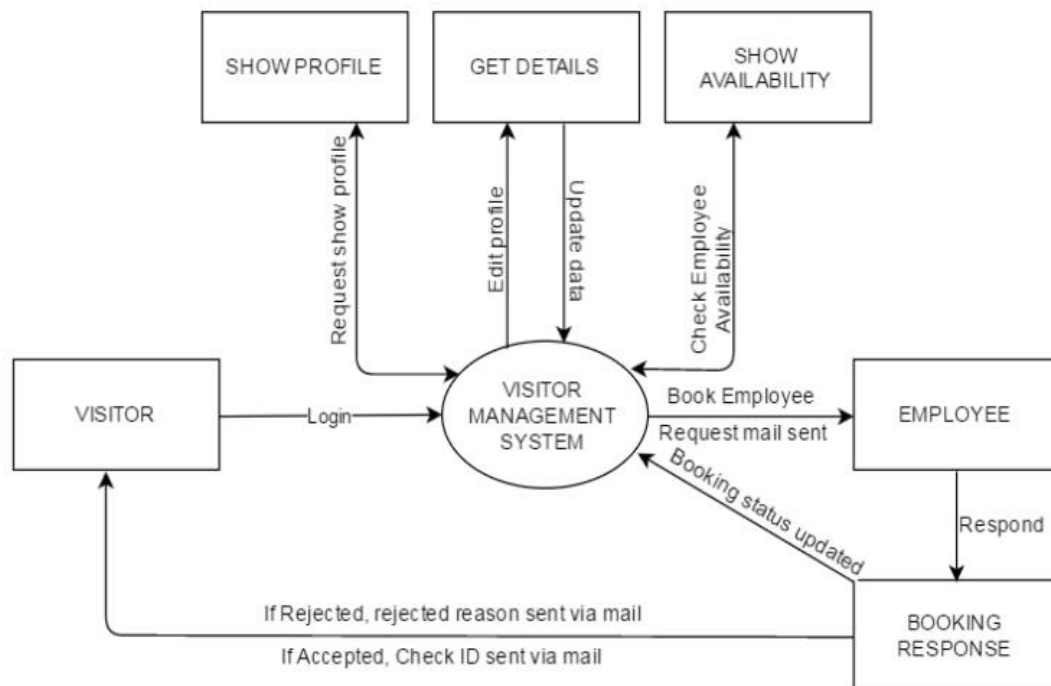


**4. Data Store**

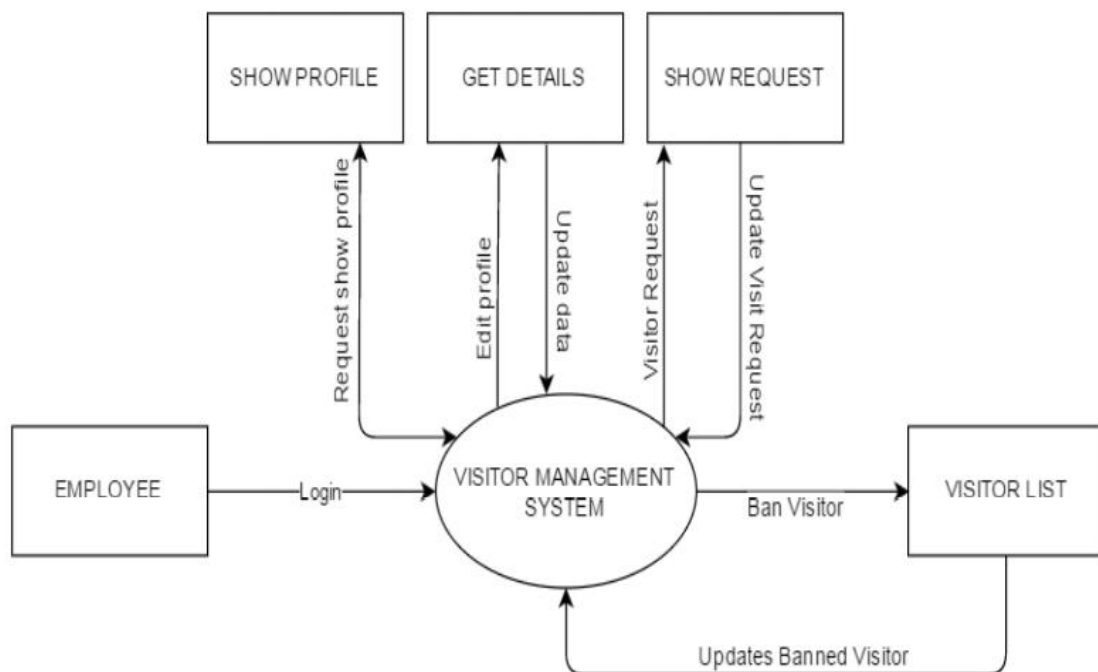




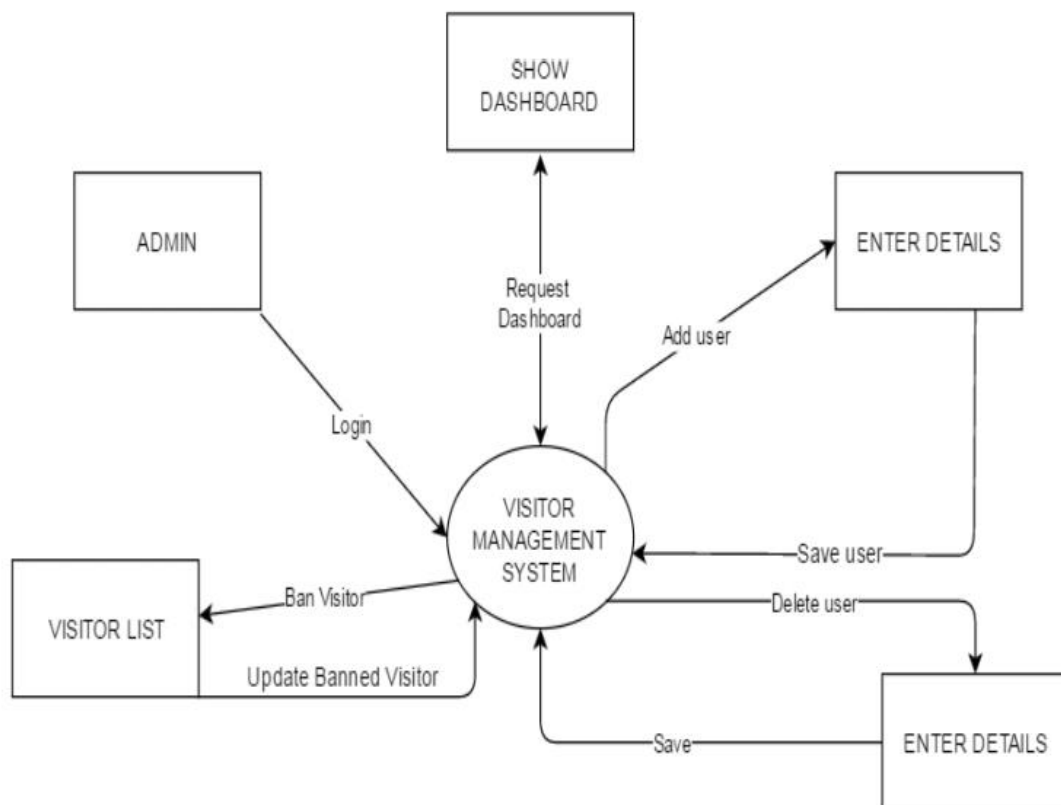
### DFD level 1 (Visitor side)



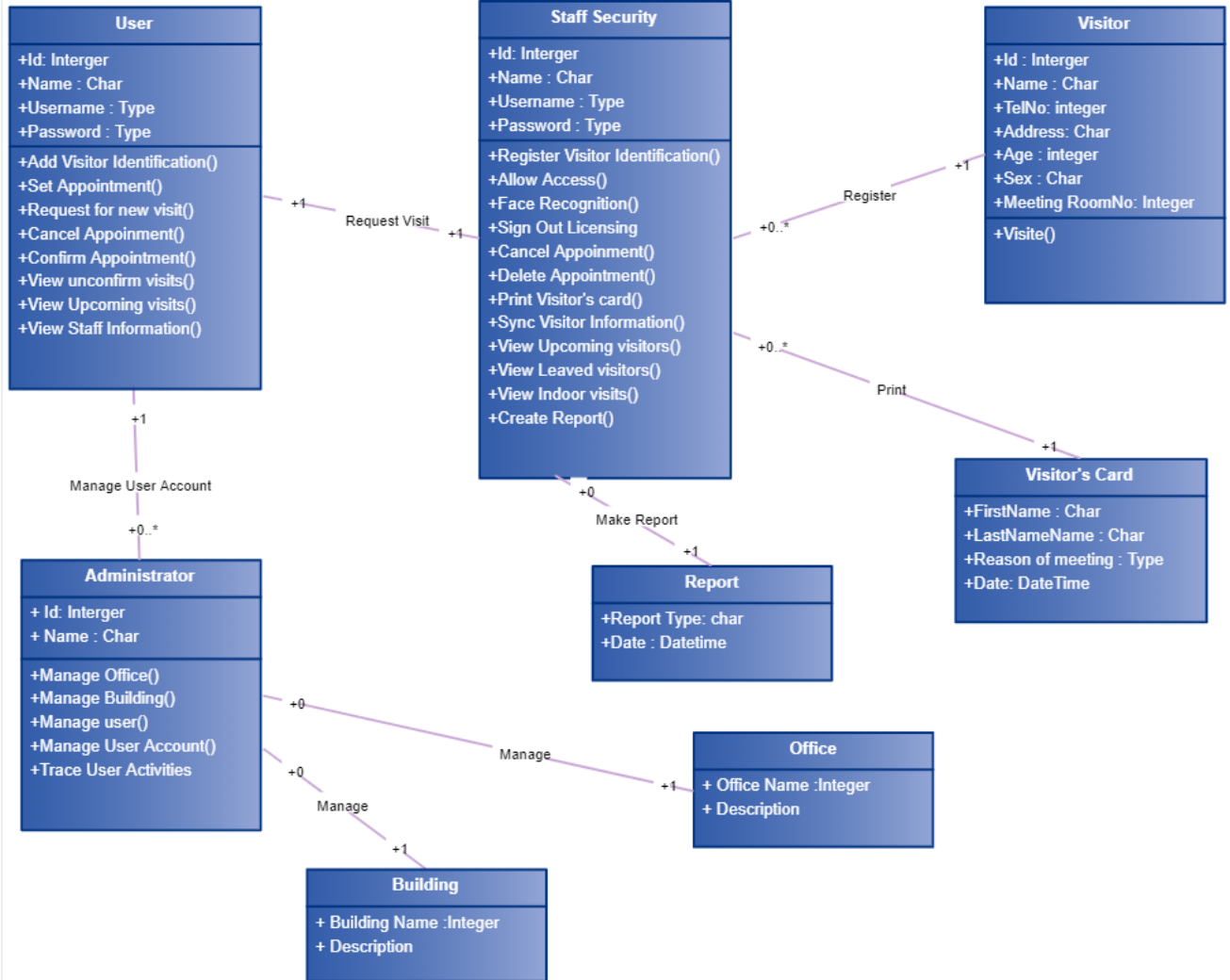
### DFD level 1 (Employee side)



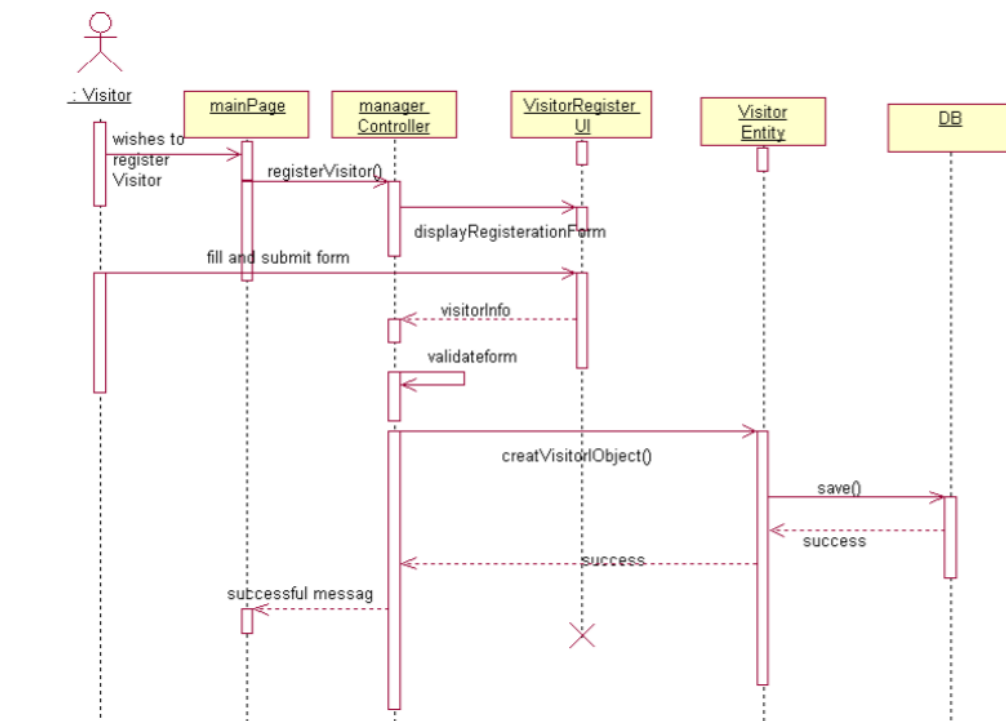
DFD level 1 (Admin side)



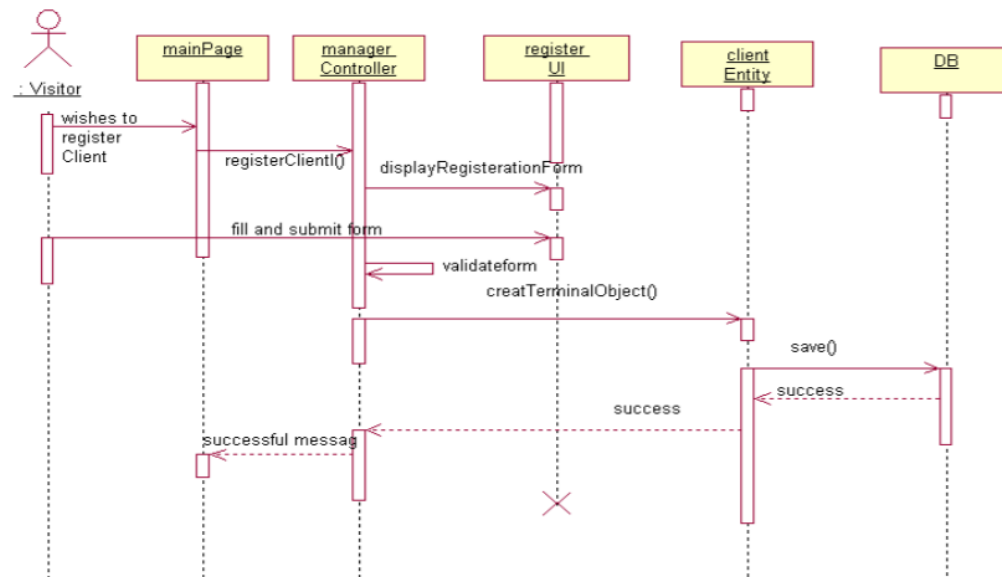
## Class Diagram



# Sequence Diagram

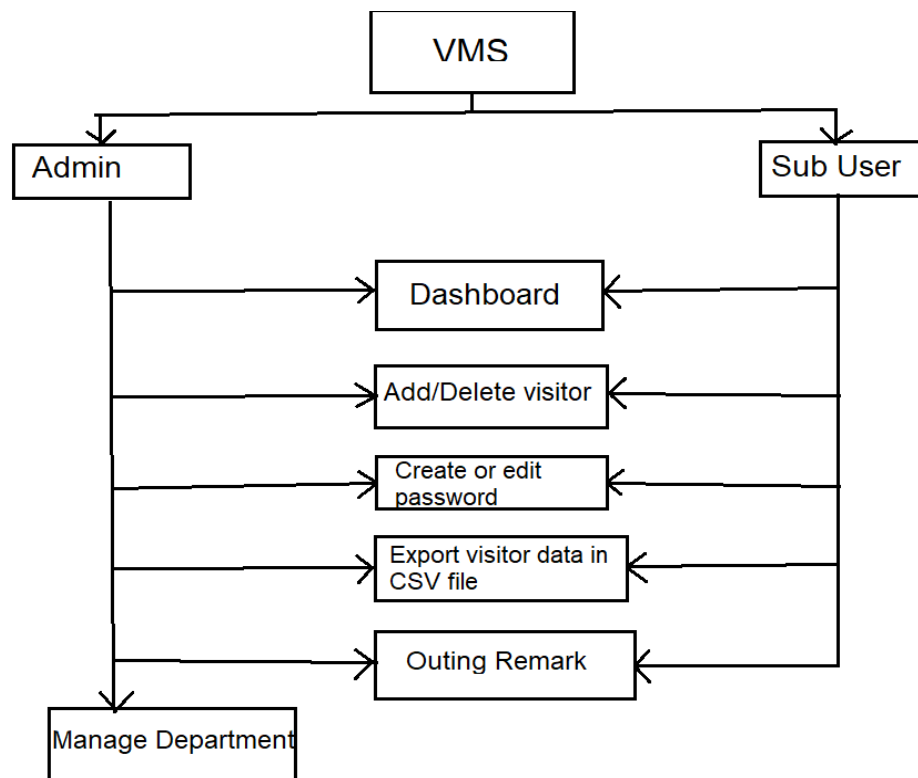


Visitor Registration



Client Registration

# Menu Tree



# LIST OF TABLE WITH ATTRIBUTE AND CONSTRAINTS

```
--
-- Database: `visitor_managment_system`
--

-- -----

--
-- Table structure for table `admin_table`
--

CREATE TABLE `admin_table` (
  `admin_id` int(11) NOT NULL,
  `admin_name` varchar(250) COLLATE utf8_unicode_ci NOT NULL,
  `admin_contact_no` varchar(30) COLLATE utf8_unicode_ci NOT NULL,
  `admin_email` varchar(250) COLLATE utf8_unicode_ci NOT NULL,
  `admin_password` varchar(200) COLLATE utf8_unicode_ci NOT NULL,
  `admin_profile` varchar(100) COLLATE utf8_unicode_ci NOT NULL,
  `admin_type` enum('Master','User') COLLATE utf8_unicode_ci NOT NULL,
  `admin_created_on` datetime NOT NULL,
  `admin_status` enum('Enable','Disable') COLLATE utf8_unicode_ci NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;

--
-- Dumping data for table `admin_table`
--

INSERT INTO `admin_table` (`admin_id`, `admin_name`, `admin_contact_no`, `admin_email`,
`admin_password`, `admin_profile`, `admin_type`, `admin_created_on`, `admin_status`) VALUES
(1, 'Enable'),
(2, 'Enable'),
(3, 'Enable'),
(4, 'Enable'),
(5, 'Enable'),
(6, 'Enable');

-- -----

--
-- Table structure for table `department_table`
--

CREATE TABLE `department_table` (
  `department_id` int(11) NOT NULL,
  `department_name` varchar(250) COLLATE utf8_unicode_ci NOT NULL,
  `department_contact_person` text COLLATE utf8_unicode_ci NOT NULL,
  `department_created_on` datetime NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;

--
-- Dumping data for table `department_table`
--

INSERT INTO `department_table` (`department_id`, `department_name`,
`department_contact_person`, `department_created_on`) VALUES
(3, '2020-11-07 08:07:09'),
(4, '2020-11-07 08:08:47'),
```

```
(5, '2020-11-09 12:41:59'),
(6, '2020-11-09 12:42:43'),
(7, '2020-11-09 12:43:17');
```

```
-- -----
```

```
--
-- Table structure for table `visitor_table`
--
```

```
CREATE TABLE `visitor_table` (
  `visitor_id` int(11) NOT NULL,
  `visitor_name` varchar(250) COLLATE utf8_unicode_ci NOT NULL,
  `visitor_email` varchar(250) COLLATE utf8_unicode_ci NOT NULL,
  `visitor_mobile_no` int(12) NOT NULL,
  `visitor_address` tinytext COLLATE utf8_unicode_ci NOT NULL,
  `visitor_meet_person_name` varchar(250) COLLATE utf8_unicode_ci NOT NULL,
  `visitor_department` varchar(250) COLLATE utf8_unicode_ci NOT NULL,
  `visitor_reason_to_meet` tinytext COLLATE utf8_unicode_ci NOT NULL,
  `visitor_enter_time` datetime NOT NULL,
  `visitor_outing_remark` tinytext COLLATE utf8_unicode_ci NOT NULL,
  `visitor_out_time` datetime NOT NULL,
  `visitor_status` enum('In','Out') COLLATE utf8_unicode_ci NOT NULL,
  `visitor_enter_by` int(11) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;
```

```
--
-- Dumping data for table `visitor_table`
--
```

```
INSERT INTO `visitor_table` (`visitor_id`, `visitor_name`, `visitor_email`, `visitor_mobile_no`,
`visitor_address`, `visitor_meet_person_name`, `visitor_department`, `visitor_reason_to_meet`,
`visitor_enter_time`, `visitor_outing_remark`, `visitor_out_time`, `visitor_status`, `visitor_enter_by`)
VALUES
```

```
1.
2.
3.
4.
5.
6.
7.
.
.
.
.
```

```
--
-- Indexes for dumped tables
--
```

```
--
-- Indexes for table `admin_table`
--
```

```
ALTER TABLE `admin_table`
  ADD PRIMARY KEY (`admin_id`);
```

```
--
-- Indexes for table `department_table`
```



```

--
ALTER TABLE `department_table`
  ADD PRIMARY KEY (`department_id`);

--
-- Indexes for table `visitor_table`
--
ALTER TABLE `visitor_table`
  ADD PRIMARY KEY (`visitor_id`);

--
-- AUTO_INCREMENT for dumped tables
--

--
-- AUTO_INCREMENT for table `admin_table`
--
ALTER TABLE `admin_table`
  MODIFY `admin_id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=7;

--
-- AUTO_INCREMENT for table `department_table`
--
ALTER TABLE `department_table`
  MODIFY `department_id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=8;

--
-- AUTO_INCREMENT for table `visitor_table`
--
ALTER TABLE `visitor_table`
  MODIFY `visitor_id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=24;

```

## System Coding

### Login\_action.php

```
<?php
```

```
//login_action.php
```

```
include('vms.php');
```

```

$visitor = new vms();

if($_POST["user_email"])
{
    sleep(2);
    $error = "";
    $data = array(
        ':admin_email'      =>    $_POST["user_email"]
    );

    $visitor->query = "
        SELECT * FROM admin_table
        WHERE admin_email = :admin_email
    ";

    $visitor->execute($data);

    //$statement = $visitor->connect->prepare($query);

    //$statement->execute($data);

    //$total_row = $statement->rowCount();

    $total_row = $visitor->row_count();

    if($total_row == 0)
    {
        $error = '<div class="alert alert-danger">Wrong Email Address</div>';
    }
    else
    {
        //$result = $statement->fetchAll();

        $result = $visitor->statement_result();

        foreach($result as $row)
        {
            if($row["admin_status"] == 'Enable')
            {
                if(password_verify($_POST["user_password"],
$row["admin_password"]))
                {
                    $_SESSION['admin_id'] = $row['admin_id'];
                    $_SESSION['admin_type'] = $row['admin_type'];
                }
                else
                {
                    $error = '<div class="alert alert-danger">Wrong
Password</div>';
                }
            }
        }
    }
}

```

```

        else
        {
            $error = '<div class="alert alert-danger">Sorry, Your
account has been disable, contact Admin</div>';
        }
    }
}

$output = array(
    'error' => $error
);
echo json_encode($output);
}
?>

```

## Dashboard.php

```

<?php

//dashboard.php

include('vms.php');

$visitor = new vms();

if(!$visitor->is_login())
{
    header("location:".$visitor->base_url."");
}

include('header.php');

include('sidebar.php');

?>

<div class="col-sm-10 offset-sm-2 py-4">
    <div class="row">
        <div class="col-sm-3">
            <div class="card text-white bg-success mb-3">
                <div class="card-header text-
center"><h4>Total Today Visitor</h4></div>
                <div class="card-body">
                    <h1 class="card-title text-
center"><?php echo $visitor->Get_total_today_visitor(); ?></h1>
                </div>
            </div>
        </div>
        <div class="col-sm-3">
            <div class="card text-white bg-primary mb-3">

```



```

        $this->connect = new PDO("mysql:host=localhost;dbname=vms",
"root", "");
        session_start();
    }

    function execute($data = null)
    {
        $this->statement = $this->connect->prepare($this->query);
        if($data)
        {
            $this->statement->execute($data);
        }
        else
        {
            $this->statement->execute();
        }
    }

    function row_count()
    {
        return $this->statement->rowCount();
    }

    function statement_result()
    {
        return $this->statement->fetchAll();
    }

    function get_result()
    {
        return $this->connect->query($this->query, PDO::FETCH_ASSOC);
    }

    function is_login()
    {
        if(isset($_SESSION['admin_id']))
        {
            return true;
        }
        return false;
    }

    function is_master_user()
    {
        if(isset($_SESSION['admin_type']))
        {
            if($_SESSION["admin_type"] == 'Master')
            {
                return true;
            }
            return false;
        }
    }

```

```

    }
    return false;
}

function clean_input($string)
{
    $string = trim($string);
    $string = stripslashes($string);
    $string = htmlspecialchars($string);
    return $string;
}

function get_datetime()
{
    return date("Y-m-d H:i:s", STRTOTIME(date('h:i:sa')));
}

function load_department()
{
    $this->query = "
    SELECT * FROM department_table
    ORDER BY department_name ASC
    ";
    $result = $this->get_result();
    $output = "";
    foreach($result as $row)
    {
        $output .= '<option value="'. $row["department_name"].'" data-
person="'. $row["department_contact_person"].'">' . $row["department_name"].'</optio
n>';
    }
    return $output;
}

function Get_profile_image()
{
    $this->query = "
    SELECT admin_profile FROM admin_table
    WHERE admin_id = '$_SESSION[\"admin_id\"]'
    ";

    $result = $this->get_result();

    foreach($result as $row)
    {
        return $row['admin_profile'];
    }
}

function Get_total_today_visitor()
{

```

```

        $this->query = "
        SELECT * FROM visitor_table
        WHERE DATE(visitor_enter_time) = DATE(NOW())
        ";

        if(!$this->is_master_user())
        {
            $this->query .= " AND visitor_enter_by
            =".$_SESSION["admin_id"]."";
        }

        $this->execute();
        return $this->row_count();
    }

    function Get_total_yesterday_visitor()
    {
        $this->query = "
        SELECT * FROM visitor_table
        WHERE DATE(visitor_enter_time) = DATE(NOW()) - INTERVAL 1
DAY
        ";
        if(!$this->is_master_user())
        {
            $this->query .= " AND visitor_enter_by
            =".$_SESSION["admin_id"]."";
        }
        $this->execute();
        return $this->row_count();
    }

    function Get_last_seven_day_total_visitor()
    {
        $this->query = "
        SELECT * FROM visitor_table
        WHERE DATE(visitor_enter_time) >= DATE(NOW()) - INTERVAL 7
DAY
        ";
        if(!$this->is_master_user())
        {
            $this->query .= " AND visitor_enter_by
            =".$_SESSION["admin_id"]."";
        }
        $this->execute();
        return $this->row_count();
    }

    function Get_total_visitor()
    {
        $this->query = "
        SELECT * FROM visitor_table

```

```

        ";
        if(!$this->is_master_user())
        {
            $this->query .= " WHERE visitor_enter_by
            =".$_SESSION["admin_id"]."";
        }
        $this->execute();
        return $this->row_count();
    }

}
?>

```

## User\_action.php

```

<?php

//user_action.php

include('vms.php');

$visitor = new vms();

if(isset($_POST["action"]))
{
    if($_POST["action"] == 'fetch')
    {
        $order_column = array('admin_name', 'admin_contact_no',
        'admin_email', 'admin_created_on');

        $output = array();

        $main_query = "
        SELECT * FROM admin_table
        WHERE admin_type = 'User'

        ";

        $search_query = "";

        if(isset($_POST["search"]["value"]))
        {
            $search_query .= 'AND (admin_name LIKE
            "%'.$_POST["search"]["value"].%" ' ';
            $search_query .= 'OR admin_contact_no LIKE
            "%'.$_POST["search"]["value"].%" ' ';
            $search_query .= 'OR admin_email LIKE
            "%'.$_POST["search"]["value"].%" ' ';
            $search_query .= 'OR admin_created_on LIKE
            "%'.$_POST["search"]["value"].%" ' ";
        }
    }
}

```



```

        if(isset($_POST["order"]))
        {
            $order_query = 'ORDER BY
'.$order_column[$_POST['order']['0']['column']].' '.$_POST['order']['0']['dir'].' ';
        }
        else
        {
            $order_query = 'ORDER BY admin_id DESC ';
        }

        $limit_query = "";

        if($_POST["length"] != -1)
        {
            $limit_query .= 'LIMIT ' . $_POST['start'] . ', ' .
$_POST['length'];
        }

        $visitor->query = $main_query . $search_query . $order_query;

        $visitor->execute();

        $filtered_rows = $visitor->row_count();

        $visitor->query .= $limit_query;

        $result = $visitor->get_result();

        $visitor->query = $main_query;

        $visitor->execute();

        $total_rows = $visitor->row_count();

        $data = array();

        foreach($result as $row)
        {
            $sub_array = array();
            $sub_array[] = '';
            $sub_array[] = html_entity_decode($row["admin_name"]);
            $sub_array[] = $row["admin_contact_no"];
            $sub_array[] = $row["admin_email"];
            $sub_array[] = $row["admin_created_on"];
            $delete_button = "";
            if($row["admin_status"] == 'Enable')
            {
                $delete_button = '<button type="button"
name="delete_button" class="btn btn-primary btn-sm delete_button" data-

```

```

id="".$row["admin_id"]."" data-
status="".$row["admin_status"]."">'.$row["admin_status"].'</button>;
    }
    else
    {
        $delete_button = '<button type="button"
name="delete_button" class="btn btn-danger btn-sm delete_button" data-
id="'.$row["admin_id"]."" data-
status="".$row["admin_status"]."">'.$row["admin_status"].'</button>;
    }
    $sub_array[] = '
    <div align="center">
    <button type="button" name="edit_button" class="btn btn-
warning btn-sm edit_button" data-id="'.$row["admin_id"].""><i class="fas fa-
edit"></i></button>
    &nbsp;
    '.$delete_button.'
    </div>;
    $data[] = $sub_array;
}

$output = array(
    "draw"                =>    intval($_POST["draw"]),
    "recordsTotal"        =>    $total_rows,
    "recordsFiltered"     =>    $filtered_rows,
    "data"                 =>    $data
);

echo json_encode($output);

}

if($_POST["action"] == 'Add')
{
    $error = "";

    $success = "";

    $data = array(
        'admin_email'      =>    $_POST["admin_email"]
    );

    $visitor->query = "
    SELECT * FROM admin_table
    WHERE admin_email = :admin_email
    ";

    $visitor->execute($data);

    if($visitor->row_count() > 0)
    {

```

```

        $error = '<div class="alert alert-danger">User Email Already
Exists</div>';
    }
    else
    {
        $user_image = "";
        if($_FILES["user_image"]["name"] != "")
        {
            $user_image = upload_image();
        }
        else
        {
            $user_image =
make_avatar(strtoupper($_POST["admin_name"][0]));
        }

        $data = array(
            'admin_name' => $visitor->
clean_input($_POST["admin_name"]),
            'admin_contact_no' => $_POST["admin_contact_no"],
            'admin_email' =>
$_POST["admin_email"],
            'admin_password' =>
password_hash($_POST["admin_password"], PASSWORD_DEFAULT),
            'admin_profile' => $user_image,
            'admin_type' => 'User',
            'admin_created_on' => $visitor->get_datetime()
        );

        $visitor->query = "
INSERT INTO admin_table
(admin_name, admin_contact_no, admin_email,
admin_password, admin_profile, admin_type, admin_created_on)
VALUES (:admin_name, :admin_contact_no, :admin_email,
:admin_password, :admin_profile, :admin_type, :admin_created_on)
";

        $visitor->execute($data);

        $success = '<div class="alert alert-success">User Added</div>';
    }

    $output = array(
        'error' => $error,
        'success' => $success
    );

    echo json_encode($output);
}

```

```

if($_POST["action"] == 'fetch_single')
{
    $visitor->query = "
    SELECT * FROM admin_table
    WHERE admin_id = '".$_POST["admin_id"]."
    ";

    $result = $visitor->get_result();

    $data = array();

    foreach($result as $row)
    {
        $data['admin_name'] = $row['admin_name'];
        $data['admin_contact_no'] = $row['admin_contact_no'];
        $data['admin_email'] = $row['admin_email'];
        $data['admin_profile'] = $row['admin_profile'];
    }

    echo json_encode($data);
}

if($_POST["action"] == 'Edit')
{
    $error = "";

    $success = "";

    $data = array(
        'admin_email'    =>    $_POST["admin_email"],
        'admin_id'        =>    $_POST["hidden_id"]
    );

    $visitor->query = "
    SELECT * FROM admin_table
    WHERE admin_email = :admin_email
    AND admin_id != :admin_id
    ";

    $visitor->execute($data);

    if($visitor->row_count() > 0)
    {
        $error = '<div class="alert alert-danger">User Email Already
Exists</div>';
    }
    else
    {
        $user_image = $_POST["hidden_user_image"];
        if($_FILES["user_image"]["name"] != "")
        {

```

```

        $user_image = upload_image();
    }

    $data[':admin_name'] = $visitor-
>clean_input($_POST["admin_name"]);
    $data[':admin_contact_no'] = $_POST["admin_contact_no"];
    $data[':admin_email'] = $_POST["admin_email"];
    if($_POST["admin_password"] != "")
    {
        $data[':admin_password'] =
password_hash($_POST["admin_password"], PASSWORD_DEFAULT);
    }
    $data[':admin_profile'] = $user_image;

    if($_POST["admin_password"] != "")
    {
        $data = array(
            ':admin_name'      =>    $visitor-
>clean_input($_POST["admin_name"]),
            ':admin_contact_no' =>
            $_POST["admin_contact_no"],
            ':admin_email'     =>
            $_POST["admin_email"],
            ':admin_password'  =>
            password_hash($_POST["admin_password"], PASSWORD_DEFAULT),
            ':admin_profile'   =>    $user_image
        );

        $visitor->query = "
        UPDATE admin_table
        SET admin_name = :admin_name,
        admin_contact_no = :admin_contact_no,
        admin_email = :admin_email,
        admin_password = :admin_password,
        admin_profile = :admin_profile
        WHERE admin_id = " . $_POST['hidden_id'] . "
        ";

        $visitor->execute($data);
    }
    else
    {
        $data = array(
            ':admin_name'      =>    $visitor-
>clean_input($_POST["admin_name"]),
            ':admin_contact_no' =>
            $_POST["admin_contact_no"],
            ':admin_email'     =>
            $_POST["admin_email"],
            ':admin_profile'   =>    $user_image
        );
    }

```

```

        $visitor->query = "
        UPDATE admin_table
        SET admin_name = :admin_name,
        admin_contact_no = :admin_contact_no,
        admin_email = :admin_email,
        admin_profile = :admin_profile
        WHERE admin_id = '".$_POST['hidden_id']."'
        ";

        $visitor->execute($data);
    }

    $success = '<div class="alert alert-success">User Details
Updated</div>';
}

$output = array(
    'error'      =>    $error,
    'success'    =>    $success
);

echo json_encode($output);

}

if($_POST["action"] == 'delete')
{
    $data = array(
        ':admin_status'          =>    $_POST['next_status']
    );

    $visitor->query = "
    UPDATE admin_table
    SET admin_status = :admin_status
    WHERE admin_id = '".$_POST["id"]."'
    ";

    $visitor->execute($data);

    echo '<div class="alert alert-success">User Status change to
'.$_POST['next_status'].'</div>';
}

if($_POST["action"] == 'profile')
{
    sleep(2);

    $error = "";

    $success = "";
}

```

```

$admin_name = "";

$admin_contact_no = "";

$admin_email = "";

$admin_profile = "";

$data = array(
    'admin_email'    =>    $_POST["admin_email"],
    'admin_id'       =>    $_POST["hidden_id"]
);

$visitor->query = "
SELECT * FROM admin_table
WHERE admin_email = :admin_email
AND admin_id != :admin_id
";

$visitor->execute($data);

if($visitor->row_count() > 0)
{
    $error = '<div class="alert alert-danger">User Email Already
Exists</div>';
}
else
{
    $user_image = $_POST["hidden_user_image"];
    if($_FILES["user_image"]["name"] != "")
    {
        $user_image = upload_image();
    }

    $admin_name = $visitor->clean_input($_POST["admin_name"]);

    $admin_contact_no = $_POST["admin_contact_no"];

    $admin_email = $_POST["admin_email"];

    $admin_profile = $user_image;

    $data = array(
        'admin_name'    =>    $admin_name,
        'admin_contact_no' =>    $admin_contact_no,
        'admin_email'    =>    $admin_email,
        'admin_profile'  =>    $admin_profile
    );

    $visitor->query = "

```

```

        UPDATE admin_table
        SET admin_name = :admin_name,
        admin_contact_no = :admin_contact_no,
        admin_email = :admin_email,
        admin_profile = :admin_profile
        WHERE admin_id = "._$_POST['hidden_id']"."
        ";

        $visitor->execute($data);

        $success = '<div class="alert alert-success">User Details
Updated</div>';
    }

    $output = array(
        'error'      =>    $error,
        'success'    =>    $success,
        'admin_name'=>    $admin_name,
        'admin_contact_no' =>    $admin_contact_no,
        'admin_email'    =>    $admin_email,
        'admin_profile'  =>    $admin_profile
    );

    echo json_encode($output);
}

if($_POST["action"] == 'change_password')
{
    $error = "";
    $success = "";
    $visitor->query = "
    SELECT admin_password FROM admin_table
    WHERE admin_id = "._$_SESSION["admin_id"]."."
    ";

    $result = $visitor->get_result();

    foreach($result as $row)
    {
        if(password_verify($_POST["current_password"],
$row["admin_password"]))
        {
            $data = array(
                'admin_password' =>
password_hash($_POST["new_password"], PASSWORD_DEFAULT)
            );
            $visitor->query = "
            UPDATE admin_table
            SET admin_password = :admin_password
            WHERE admin_id = "._$_SESSION["admin_id"]."."
            ";

```



```

        $visitor->execute($data);

        $success = '<div class="alert alert-success">Password
Change Successfully</div>';
    }
    else
    {
        $error = '<div class="alert alert-danger">You have enter
wrong current password</div>';
    }
}
$output = array(
    'error'      =>    $error,
    'success'    =>    $success
);
echo json_encode($output);
}
}

function upload_image()
{
    if(isset($_FILES["user_image"]))
    {
        $extension = explode('.', $_FILES['user_image']['name']);
        $new_name = rand() . '.' . $extension[1];
        $destination = 'images/' . $new_name;
        move_uploaded_file($_FILES['user_image']['tmp_name'], $destination);
        return $destination;
    }
}

function make_avatar($character)
{
    $path = "images/" . time() . ".png";
    $image = imagecreate(200, 200);
    $red = rand(0, 255);
    $green = rand(0, 255);
    $blue = rand(0, 255);
    imagecolorallocate($image, $red, $green, $blue);
    $textcolor = imagecolorallocate($image, 255,255,255);

    imagefttext($image, 100, 0, 55, 150, $textcolor, 'font/arial.ttf', $character);
    imagepng($image, $path);
    imagedestroy($image);
    return $path;
}

?>

```

## Profile.php

```

<?php

//department.php

include('vms.php');

$visitor = new vms();

if(!$visitor->is_login())
{
    header("location:".$visitor->base_url."");
}

$visitor->query = "
SELECT * FROM admin_table
WHERE admin_id = '".$_SESSION["admin_id"]."'
";

$result = $visitor->get_result();

include('header.php');

include('sidebar.php');
?>

```

```

<div class="col-sm-10 offset-sm-2 py-4">
    <span id="message"></span>
    <div class="card">
        <div class="card-header">
            <div class="row">
                <div class="col">
                    <h2>Profile</h2>
                </div>
                <div class="col text-right">
                </div>
            </div>
        </div>
        <div class="card-body">
            <div class="col-md-3">&nbsp;</div>
            <div class="col-md-6">
                <form method="post" id="user_form"
enctype="multipart/form-data">
                    <?php
                    foreach($result as $row)
                    {
                        ?>
                        <div class="form-group">
                            <div class="row">

```

```

right">User Name <span class="text-danger">*</span></label>
                                <div class="col-md-8">
                                    <input type="text"
name="admin_name" id="admin_name" class="form-control" required data-parsley-
pattern="/^[a-zA-Z\s]+$/" data-parsley-maxlength="150" data-parsley-
trigger="keyup" value="<?php echo $row['admin_name']; ?>" />
                                </div>
                            </div>
                        </div>
                    <div class="form-group">
                        <div class="row">
                            <label class="col-md-4 text-
right">User Contact No. <span class="text-danger">*</span></label>
                                <div class="col-md-8">
                                    <input type="text"
name="admin_contact_no" id="admin_contact_no" class="form-control" required
data-parsley-type="integer" data-parsley-minlength="10" data-parsley-
maxlength="12" data-parsley-trigger="keyup" value="<?php echo
$row['admin_contact_no']; ?>" />
                                </div>
                            </div>
                        </div>
                    <div class="form-group">
                        <div class="row">
                            <label class="col-md-4 text-
right">User Email <span class="text-danger">*</span></label>
                                <div class="col-md-8">
                                    <input type="text"
name="admin_email" id="admin_email" class="form-control" required data-parsley-
type="email" data-parsley-maxlength="150" data-parsley-trigger="keyup"
value="<?php echo $row['admin_email']; ?>" />
                                </div>
                            </div>
                        </div>
                    <div class="form-group">
                        <div class="row">
                            <label class="col-md-4 text-
right">User Profile</label>
                                <div class="col-md-8">
                                    <input type="file"
name="user_image" id="user_image" />
                                <span
id="user_uploaded_image" class="mt-2">

                                " class="img-fluid img-
thumbnail" width="200" />

                                <input type="hidden" name="hidden_user_image" value="<?php echo
$row["admin_profile"]; ?>" />

```

```

</span>
</div>
</div>
</div>
<br />
<div class="form-group text-center">
    <input type="hidden"
name="hidden_id" value="<?php echo $row["admin_id"]; ?>" />
    <input type="hidden" name="action"
value="profile" />
    <button type="submit"
name="submit" id="submit_button" class="btn btn-success"><i class="far fa-
save"></i> Save</button>
</div>
<?php
}
?>
</form>
</div>
<div class="col-md-3">&nbsp;</div>
</div>
</div>
</div>
</div>
</div>
</body>
</html>

<script>

$(document).ready(function(){

    $('#user_form').parsley();

    $('#user_form').on('submit', function(){
        event.preventDefault();
        if($('#user_form').parsley().isValid())
        {
            var extension =
$('#user_image').val().split('.').pop().toLowerCase();
            if(extension != "")
            {
                if(jQuery.inArray(extension, ['gif','png','jpg','jpeg']) == -1)
                {
                    alert("Invalid Image File");
                    $('#user_image').val("");
                    return false;
                }
            }
        }
        $.ajax({

```

```

        url:"user_action.php",
        method:"POST",
        data:new FormData(this),
        contentType:false,
        processData:false,
        dataType:"JSON",
        beforeSend:function()
        {
            $('#submit_button').attr('disabled', 'disabled');
            $('#submit_button').html('wait...');
        },
        success:function(data)
        {
            $('#submit_button').attr('disabled', false);
            $('#submit_button').html('<i class="far fa-
save"></i> Save');

            if(data.error != "")
            {
                $('#message').html(data.error);
            }
            else
            {
                $('#admin_name').val(data.admin_name);

                $('#admin_contact_no').val(data.admin_contact_no);
                $('#admin_email').val(data.admin_email);
                $('#user_uploaded_image').html('<input
type="hidden" name="hidden_user_image" value="'+data.admin_profile+'" />');
                $('#message').html(data.error);
                setTimeout(function(){
                    $('#message').html("");
                }, 5000);
            }
        }
    })
}

});

$('#user_image').change(function(){
    var extension = $('#user_image').val().split('.').pop().toLowerCase();
    if(extension != "")
    {
        if(jQuery.inArray(extension, ['gif','png','jpg','jpeg']) == -1)
        {
            alert("Invalid Image File");
            $('#user_image').val("");
            return false;
        }
    }
});

```

```
});
```

```
</script>
```

## Department.php

```
<?php
```

```
//department.php
```

```
include('vms.php');
```

```
$visitor = new vms();
```

```
if(!$visitor->is_login())
```

```
{
```

```
    header("location:".$visitor->base_url."");
```

```
}
```

```
if(!$visitor->is_master_user())
```

```
{
```

```
    header("location:".$visitor->base_url."dashboard.php");
```

```
}
```

```
include('header.php');
```

```
include('sidebar.php');
```

```
?>
```

```
<div class="col-sm-10 offset-sm-2 py-4">
```

```
<span id="message"></span>
```

```
<div class="card">
```

```
<div class="card-header">
```

```
<div class="row">
```

```
<div class="col">
```

```
<h2>Department Area</h2>
```

```
</div>
```

```
<div class="col text-right">
```

```
<button type="button"
```

```
name="add_department" id="add_department" class="btn btn-success btn-sm"><i
```

```
class="fas fa-plus"></i></button>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<div class="card-body">
```

```
<div class="table-responsive">
```

```
<table class="table table-striped table-bordered"
```

```
id="department_table">
```

```
<thead>
```

```

<tr>
    <th>Department Name</th>
    <th>Person</th>
    <th>Action</th>
</tr>
</thead>
</table>
</div>
</div>
</div>
</div>
</div>
</div>
</body>
</html>

<div id="departmentModal" class="modal fade">
    <div class="modal-dialog">
        <form method="post" id="deparment_form">
            <div class="modal-content">
                <div class="modal-header">
                    <h4 class="modal-title" id="modal_title">Add Data</h4>
                    <button type="button" class="close" data-dismiss="modal">&times;</button>
                </div>
                <div class="modal-body">
                    <span id="form_message"></span>
                    <div class="form-group">
                        <div class="row">
                            <label class="col-md-4 text-right">Department
Name</label>
                            <div class="col-md-6">
                                <input type="text"
name="department_name" id="department_name" class="form-control" required
data-parsley-pattern="/^[a-zA-Z\s]+$/" data-parsley-trigger="keyup" />
                            </div>
                        </div>
                    </div>
                    <div class="form-group">
                        <div class="row">
                            <label class="col-md-4 text-right">Contact
Person</label>
                            <div class="col-md-6">
                                <input type="text"
name="department_contact_person[]" class="form-control"
department_contact_person" id="department_contact_person" required data-parsley-
pattern="/^[a-zA-Z\s]+$/" data-parsley-trigger="keyup" />
                            </div>
                        </div>
                    </div>
                </div>
            </div>
        </form>
    </div>
</div>

```

```

        <button type="button" name="add_person"
id="add_person" class="btn btn-success btn-sm">+</button>
        </div>
    </div>
    <div id="append_person"></div>
</div>
<div class="modal-footer">
    <input type="hidden" name="hidden_id" id="hidden_id" />
    <input type="hidden" name="action" id="action" value="Add" />
    <input type="submit" name="submit" id="submit_button"
class="btn btn-success" value="Add" />
    <button type="button" class="btn btn-default" data-
dismiss="modal">Close</button>
</div>
</div>
</form>
</div>
</div>

<script>

$(document).ready(function(){

    var dataTable = $('#department_table').DataTable({
        "processing" : true,
        "serverSide" : true,
        "order" : [],
        "ajax" : {
            url:"department_action.php",
            type:"POST",
            data:{ action:'fetch'}
        },
        "columnDefs":[
            {
                "targets":[2],
                "orderable":false,
            },
        ],
    });

    $('#add_department').click(function(){

        $('#deparment_form')[0].reset();

        $('#deparment_form').parsley().reset();

        $('#modal_title').text('Add Data');

        $('#action').val('Add');
    });

```



```

$('#submit_button').val('Add');

$('#departmentModal').modal('show');

$('#append_person').html("");

$('#form_message').html("");

});

var count_person = 0;

$(document).on('click', '#add_person', function(){

    count_person++;

    var html = `
    <div class="row mt-2" id="person_`${count_person}`">
        <label class="col-md-4">&nbsp;</label>
        <div class="col-md-6">
            <input type="text" name="department_contact_person[]"
class="form-control department_contact_person" required data-parsley-pattern="/^[a-
zA-Z ]+$/ " data-parsley-trigger="keyup" />
        </div>
        <div class="col-md-2">
            <button type="button" name="remove_person" class="btn
btn-danger btn-sm remove_person" data-id="`${count_person}`">-</button>
        </div>
    </div>
    `;
    $('#append_person').append(html);
});

$(document).on('click', '.remove_person', function(){

    var button_id = $(this).data('id');

    $('#person_'+button_id).remove();

});

$('#deparment_form').parsley();

$('#deparment_form').on('submit', function(event){
    event.preventDefault();
    if($('#deparment_form').parsley().isValid())
    {
        $.ajax({
            url:"department_action.php",
            method:"POST",
            data:$(this).serialize(),

```

```

        dataType:'json',
        beforeSend:function()
        {
            $('#submit_button').attr('disabled', 'disabled');
            $('#submit_button').val('wait...');
        },
        success:function(data)
        {
            $('#submit_button').attr('disabled', false);
            if(data.error != "")
            {
                $('#form_message').html(data.error);
                $('#submit_button').val('Add');
            }
            else
            {
                $('#departmentModal').modal('hide');
                $('#message').html(data.success);
                dataTable.ajax.reload();

                setTimeout(function(){

                    $('#message').html("");

                }, 5000);
            }
        }
    })
}

});

$(document).on('click', '.edit_button', function(){

    var department_id = $(this).data('id');

    $('#deparment_form').parsley().reset();

    $('#form_message').html("");

    $.ajax({

        url:"department_action.php",

        method:"POST",

        data:{ department_id:department_id, action:'fetch_single'},

        dataType:'JSON',

        success:function(data)
        {

```

```

$('#department_name').val(data.department_name);

var person_array = data.department_contact_person.split(', ');

var html = "";

for(var count = 0; count < person_array.length; count++)
{
    if(count == 0)
    {
        $('#department_contact_person').val(person_array[count]);
    }
    else
    {
        html += `
        <div class="row mt-2" id="person_`+count+`">
            <label class="col-md-
4">&nbsp;</label>
                <div class="col-md-6">
                    <input type="text"
name="department_contact_person[]" class="form-control
department_contact_person" required data-parsley-pattern="/^[a-zA-Z ]+$/" data-
parsley-trigger="keyup" value="`+person_array[count]+`" />
                </div>
                <div class="col-md-2">
                    <button type="button"
name="remove_person" class="btn btn-danger btn-sm remove_person" data-
id="`+count+`">-</button>
                </div>
            </div>
        `;
    }
}

$('#append_person').html(html);

$('#modal_title').text('Edit Data');

$('#action').val('Edit');

$('#submit_button').val('Edit');

$('#departmentModal').modal('show');

$('#hidden_id').val(department_id);

}

})

```

```

});

$(document).on('click', '.delete_button', function(){

var id = $(this).data('id');

if(confirm("Are you sure you want to remove it?"))
{

    $.ajax({

        url:"department_action.php",

        method:"POST",

        data:{id:id, action:'delete'},

        success:function(data)
        {

            $('#message').html(data);

            dataTable.ajax.reload();

            setTimeout(function(){

                $('#message').html("");

            }, 5000);

        }

    })

}

});

});

</script>

```

### **Department\_action.php**

```

<?php

//department_action.php

include('vms.php');

```

```

$visitor = new vms();

if(isset($_POST["action"]))
{
    if($_POST["action"] == 'fetch')
    {
        $order_column = array('department_name',
'department_contact_person');

        $output = array();

        $main_query = "
SELECT * FROM department_table ";

        $search_query = "";

        if(isset($_POST["search"]["value"]))
        {
            $search_query .= 'WHERE department_name LIKE
"%'.$_POST["search"]["value"].'%" ';
            $search_query .= 'OR department_contact_person LIKE
"%'.$_POST["search"]["value"].'%" ';
        }

        if(isset($_POST["order"]))
        {
            $order_query = 'ORDER BY
'.$order_column[$_POST['order']]['0']['column'].' '.$_POST['order']['0']['dir'].' ';
        }
        else
        {
            $order_query = 'ORDER BY department_id DESC ';
        }

        $limit_query = "";

        if($_POST["length"] != -1)
        {
            $limit_query .= 'LIMIT ' . $_POST['start'] . ', ' .
$_POST['length'];
        }

        $visitor->query = $main_query . $search_query . $order_query;

        $visitor->execute();

        $filtered_rows = $visitor->row_count();

        $visitor->query .= $limit_query;

        $result = $visitor->get_result();
    }
}

```

```

$visitor->query = $main_query;

$visitor->execute();

$total_rows = $visitor->row_count();

$data = array();

foreach($result as $row)
{
    $sub_array = array();
    $sub_array[] = html_entity_decode($row["department_name"]);
    $sub_array[] =
html_entity_decode($row["department_contact_person"]);
    $sub_array[] = '
    <div align="center">
    <button type="button" name="edit_button" class="btn btn-
warning btn-sm edit_button" data-id="'. $row["department_id"].'"><i class="fas fa-
edit"></i></button>

    &nbsp;
    <button type="button" name="delete_button" class="btn btn-
danger btn-sm delete_button" data-id="'. $row["department_id"].'"><i class="fas fa-
times"></i></button>
    </div>
    ';
    $data[] = $sub_array;
}

$output = array(
    "draw"                =>    intval($_POST["draw"]),
    "recordsTotal"        =>    $total_rows,
    "recordsFiltered"     =>    $filtered_rows,
    "data"                =>    $data
);

echo json_encode($output);

}

if($_POST["action"] == 'Add')
{
    $error = "";

    $success = "";

    $data = array(
        'department_name' =>    $_POST["department_name"]
    );

    $visitor->query = "

```

```

        SELECT * FROM department_table
        WHERE department_name = :department_name
        ";

        $visitor->execute($data);

        if($visitor->row_count() > 0)
        {
            $error = '<div class="alert alert-danger">Department Already
Exists</div>';
        }
        else
        {
            $department_contact_person = implode(" ",
$_POST["department_contact_person"]);

            $data = array(
                ':department_name'          =>    $visitor-
>clean_input($_POST["department_name"]),
                ':department_contact_person'    =>    $visitor-
>clean_input($department_contact_person),
                ':department_created_on'    =>    $visitor->get_datetime()
            );

            $visitor->query = "
            INSERT INTO department_table
            (department_name, department_contact_person,
department_created_on)
            VALUES (:department_name, :department_contact_person,
:department_created_on)
            ";

            $visitor->execute($data);

            $success = '<div class="alert alert-success">Department
Added</div>';
        }

        $output = array(
            'error'          =>    $error,
            'success'        =>    $success
        );

        echo json_encode($output);

    }

    if($_POST["action"] == 'fetch_single')
    {
        $visitor->query = "
        SELECT * FROM department_table

```

```

WHERE department_id = ".$_POST["department_id"]."
";

$result = $visitor->get_result();

$data = array();

foreach($result as $row)
{
    $data['department_name'] = $row['department_name'];
    $data['department_contact_person'] =
$row['department_contact_person'];
}

echo json_encode($data);
}

if($_POST["action"] == 'Edit')
{
    $error = "";

    $success = "";

    $data = array(
        'department_name' =>    $_POST["department_name"],
        'department_id'    =>    $_POST["hidden_id"]
    );

    $visitor->query = "
SELECT * FROM department_table
WHERE department_name = :department_name
AND department_id != :department_id
";

    $visitor->execute($data);

    if($visitor->row_count() > 0)
    {
        $error = '<div class="alert alert-danger">Department Already
Exists</div>';
    }
    else
    {
        $department_contact_person = implode(" ",
$_POST["department_contact_person"]);

        $data = array(
            'department_name'      =>    $visitor-
>clean_input($_POST["department_name"]),
            'department_contact_person' =>    $visitor-
>clean_input($department_contact_person)

```



```

    );

    $visitor->query = "
    UPDATE department_table
    SET department_name = :department_name,
    department_contact_person = :department_contact_person
    WHERE department_id = " . $_POST['hidden_id'] . "
    ";

    $visitor->execute($data);

    $success = '<div class="alert alert-success">Department
Updated</div>';
    }

    $output = array(
        'error'      =>    $error,
        'success'    =>    $success
    );

    echo json_encode($output);

}

if($_POST["action"] == 'delete')
{
    $visitor->query = "
    DELETE FROM department_table
    WHERE department_id = " . $_POST["id"] . "
    ";

    $visitor->execute();

    echo '<div class="alert alert-success">Department Deleted</div>';
}
}

?>

```

## Index.php

```

<?php

include('vms.php');

$visitor = new vms();

if($visitor->is_login())
{
    header("location:".$visitor->base_url."dashboard.php");
}

```

```

include('header.php');

?>
    <br />
    <br />
    <br />
    <br />
    <div class="container">
        <h3 align="center">Visitor Management System</h3>
        <br />

        <div class="row">
            <div class="col-md-3">&nbsp;</div>
            <div class="col-md-6">
                <span id="error"></span>
                <div class="card">
                    <div class="card-header">Login</div>
                    <div class="card-body">
                        <form method="post"
id="login_form">
                            <div class="form-group">
                                <label>Enter Email
Address</label>
                                <input type="text"
name="user_email" id="user_email" class="form-control" required data-parsley-
type="email" data-parsley-trigger="keyup" />
                                </div>
                                <div class="form-group">
                                    <label>Enter
password</label>
                                    <input type="password"
name="user_password" id="user_password" class="form-control" required data-
parsley-trigger="keyup" />
                                    </div>
                                    <div class="form-group text-
center">
                                        <input type="submit"
name="login" id="login_button" class="btn btn-primary" value="Login" />
                                        </div>
                                    </div>
                                </form>
                            </div>
                            </div>
                            </div>
                            <br />
                            <br />
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </body>

```

```

</html>

<script>

$(document).ready(function(){

    $('#login_form').parsley();

    $('#login_form').on('submit', function(event){
        event.preventDefault();
        if($('#login_form').parsley().isValid())
        {
            $.ajax({
                url:"login_action.php",
                method:"POST",
                data:$(this).serialize(),
                dataType:'json',
                beforeSend:function()
                {
                    $('#login_button').attr('disabled', 'disabled');
                    $('#login_button').val('wait...');
                },
                success:function(data)
                {
                    $('#login_button').attr('disabled', false);
                    if(data.error != "")
                    {
                        $('#error').html(data.error);
                        $('#login_button').val('Login');
                    }
                    else
                    {
                        window.location.href = "<?php echo
$visitor->base_url; ?>dashboard.php";
                    }
                }
            })
        }
    });

});

</script>

```

## Sidebar.php

```

<div class="container-fluid fixed-top bg-dark py-3" style="z-index:1049;">
    <div class="row">
        <div class="col-2 collapse show sidebar text-center">
            

```

```

    </div>
    <div class="col-10">
        <!-- toggler -->
        <a data-toggle="collapse" href="#" data-target=".collapse"
role="button">
            <h3 class="mt-2 mb-2 text-white">Visitor Management
System</h3>
        </a>
    </div>
</div>
<div class="container-fluid">
    <div class="row vh-100 flex-nowrap">
        <div class="col-sm-2 collapse show sidebar bg-dark px-0 position-fixed">
            <ul class="nav flex-column flex-nowrap pt-2 vh-100" id="sidebar">
                <?php
                    $page_name = basename($_SERVER['PHP_SELF']);
                    $dashboard_active = 'inactive_class';
                    $user_active = 'inactive_class';
                    $department_active = 'inactive_class';
                    $visitor_active = 'inactive_class';
                    $profile_active = 'inactive_class';
                    $change_password_active = 'inactive_class';

                    if($page_name == 'dashboard.php')
                    {
                        $dashboard_active = 'active_class';
                    }
                    if($page_name == 'user.php')
                    {
                        $user_active = 'active_class';
                    }
                    if($page_name == 'department.php')
                    {
                        $department_active = 'active_class';
                    }
                    if($page_name == 'visitor.php')
                    {
                        $visitor_active = 'active_class';
                    }
                    if($page_name == 'profile.php')
                    {
                        $profile_active = 'active_class';
                    }
                    if($page_name == 'change_password.php')
                    {
                        $change_password_active = 'active_class';
                    }
                ?>
            </ul>
        </div>
    </div>
</div>

```

```

        <li class="nav-item">
            <a class="nav-link <?php echo $dashboard_active; ?>"
href="dashboard.php"><span class="ml-2 d-none d-sm-inline"><i class="fas fa-
tachometer-alt"></i> Dashboard</span></a>
        </li>

        <?php

            if($visitor->is_master_user())
            {
                ?>
                <li class="nav-item">
                    <a class="nav-link <?php echo $user_active; ?>"
href="user.php"><span class="ml-2 d-none d-sm-inline"><i class="fas fa-users"></i>
User</span></a>
                </li>
                <li class="nav-item">
                    <a class="nav-link <?php echo $department_active; ?>"
href="department.php"><span class="ml-2 d-none d-sm-inline"><i class="far fa-
building"></i> Department</span></a>
                </li>
                <?php
            }

            ?>
            <li class="nav-item">
                <a class="nav-link <?php echo $visitor_active; ?>"
href="visitor.php"><span class="ml-2 d-none d-sm-inline"><i class="fas fa-person-
booth"></i>&nbsp;&nbsp;&nbsp;Visitor</span></a>
            </li>
            <li class="nav-item">
                <a class="nav-link <?php echo $profile_active; ?>"
href="profile.php"><span class="ml-2 d-none d-sm-inline"><i class="far fa-id-
badge"></i>&nbsp;&nbsp;&nbsp;Profile</span></a>
            </li>
            <li class="nav-item">
                <a class="nav-link <?php echo $change_password_active; ?>"
href="change_password.php"><span class="ml-2 d-none d-sm-inline"><i class="fas
fa-key"></i>&nbsp;&nbsp;&nbsp;Change Password</span></a>
            </li>
            <li class="nav-item">
                <a class="nav-link inactive_class" href="logout.php"><span
class="ml-2 d-none d-sm-inline"><i class="fas fa-sign-out-
alt"></i>&nbsp;&nbsp;&nbsp;Logout</span></a>
            </li>
        </ul>
    </div>

```

## Visitor\_action.php

```

<?php

```

```

//visitor_action.php

include('vms.php');

$visitor = new vms();

if(isset($_POST["action"]))
{
    if($_POST["action"] == 'fetch')
    {
        $order_column = array('visitor_table.visitor_name',
        'visitor_table.visitor_meet_person_name', 'visitor_table.visitor_department',
        'visitor_table.visitor_enter_time', 'visitor_table.visitor_out_time',
        'visitor_table.visitor_status', 'admin_table.admin_name');

        $output = array();

        $main_query = "
        SELECT * FROM visitor_table
        INNER JOIN admin_table
        ON admin_table.admin_id = visitor_table.visitor_enter_by
        ";

        if(!$visitor->is_master_user())
        {
            $main_query .= "
            WHERE visitor_table.visitor_enter_by =
            '".$_SESSION["admin_id"]."'
            ";

            if($_POST["from_date"] != "")
            {
                $search_query = "
                AND DATE(visitor_table.visitor_enter_time) BETWEEN
                '".$_POST["from_date"]."' AND '".$_POST["to_date"]."' AND (
                ";

            }
            else
            {
                $search_query = " AND ( ";

            }

        }
        else
        {
            if($_POST["from_date"] != "")
            {
                $search_query = "WHERE
                DATE(visitor_table.visitor_enter_time) BETWEEN '".$_POST["from_date"]."' AND
                '".$_POST["to_date"]."' AND ( ";
            }
        }
    }
}

```

```

    }
    else
    {
        $search_query = "WHERE ";
    }
}

if(isset($_POST["search"]["value"]))
{
    $search_query .= 'visitor_table.visitor_name LIKE
"%'.$_POST["search"]["value"]. '%" ';
    $search_query .= 'OR visitor_table.visitor_meet_person_name
LIKE "%'.$_POST["search"]["value"]. '%" ';
    $search_query .= 'OR visitor_table.visitor_department LIKE
"%'.$_POST["search"]["value"]. '%" ';
    $search_query .= 'OR visitor_table.visitor_enter_time LIKE
"%'.$_POST["search"]["value"]. '%" ';
    $search_query .= 'OR visitor_table.visitor_out_time LIKE
"%'.$_POST["search"]["value"]. '%" ';
    $search_query .= 'OR visitor_table.visitor_status LIKE
"%'.$_POST["search"]["value"]. '%" ';

    if($visitor->is_master_user())
    {
        $search_query .= 'OR admin_table.admin_name LIKE
"%'.$_POST["search"]["value"]. '%" ';
        if($_POST["from_date"] != "")
        {
            $search_query .= ') ';
        }
    }
    else
    {
        $search_query .= ') ';
    }
}

if(isset($_POST["order"]))
{
    $order_query = 'ORDER BY
'.$order_column[$_POST['order']['0']['column']].' '.$_POST['order']['0']['dir'].' ';
}
else
{
    $order_query = 'ORDER BY visitor_table.visitor_id DESC ';
}

$limit_query = "";

if($_POST["length"] != -1)

```

```

    {
        $limit_query .= 'LIMIT ' . $_POST['start'] . ', ' .
$_POST['length'];
    }

$visitor->query = $main_query . $search_query . $order_query;

$visitor->execute();

$filtered_rows = $visitor->row_count();

$visitor->query .= $limit_query;

$result = $visitor->get_result();

$visitor->query = $main_query;

$visitor->execute();

$total_rows = $visitor->row_count();

$data = array();

foreach($result as $row)
{
    $sub_array = array();
    $sub_array[] = html_entity_decode($row["visitor_name"]);
    $sub_array[] =
html_entity_decode($row["visitor_meet_person_name"]);
    $sub_array[] = $row["visitor_department"];
    $sub_array[] = $row["visitor_enter_time"];
    $sub_array[] = $row["visitor_out_time"];
    $status = "";
    if($row["visitor_status"] == 'In')
    {
        $status = '<span class="badge badge-success">In
Premises</span>';
    }
    else
    {
        $status = '<span class="badge badge-
danger">Leave</span>';
    }
    $sub_array[] = $status;
    if($visitor->is_master_user())
    {
        $sub_array[] = $row["admin_name"];
    }
    $sub_array[] = '
<div align="center">

```



```

        <button type="button" name="view_button" class="btn btn-
primary btn-sm view_button" data-id="'. $row["visitor_id"]."'><i class="fas fa-
eye"></i></button>
            &nbsp;
            <button type="button" name="edit_button" class="btn btn-
warning btn-sm edit_button" data-id="'. $row["visitor_id"]."'><i class="fas fa-
edit"></i></button>
            &nbsp;
            <button type="button" name="delete_button" class="btn btn-
danger btn-sm delete_button" data-id="'. $row["visitor_id"]."'><i class="fas fa-
times"></i></button>
        </div>
        ;
        $data[] = $sub_array;
    }

    $output = array(
        "draw" => intval($_POST["draw"]),
        "recordsTotal" => $total_rows,
        "recordsFiltered" => $filtered_rows,
        "data" => $data
    );

    echo json_encode($output);

}

if($_POST["action"] == 'Add')
{
    $data = array(
        ':visitor_name' => $visitor-
>clean_input($_POST["visitor_name"]),
        ':visitor_email' => $_POST["visitor_email"],
        ':visitor_mobile_no' => $_POST["visitor_mobile_no"],
        ':visitor_address' => $visitor-
>clean_input($_POST["visitor_address"]),
        ':visitor_meet_person_name' =>
$_POST["visitor_meet_person_name"],
        ':visitor_department' => $_POST["visitor_department"],
        ':visitor_reason_to_meet' => $visitor-
>clean_input($_POST["visitor_reason_to_meet"]),
        ':visitor_enter_time' => $visitor->get_datetime(),
        ':visitor_outing_remark' => ",
        ':visitor_out_time' => ",
        ':visitor_status' => 'In',
        ':visitor_enter_by' => $_SESSION["admin_id"]
    );

    $visitor->query = "
    INSERT INTO visitor_table

```

```

        (visitor_name, visitor_email, visitor_mobile_no, visitor_address,
visitor_meet_person_name, visitor_department, visitor_reason_to_meet,
visitor_enter_time, visitor_outing_remark, visitor_out_time, visitor_status,
visitor_enter_by)
        VALUES (:visitor_name, :visitor_email, :visitor_mobile_no,
:visitor_address, :visitor_meet_person_name, :visitor_department,
:visitor_reason_to_meet, :visitor_enter_time, :visitor_outing_remark,
:visitor_out_time, :visitor_status, :visitor_enter_by)
        ";

        $visitor->execute($data);

        echo '<div class="alert alert-success">Department Added</div>';
    }

    if($_POST["action"] == 'fetch_single')
    {
        $visitor->query = "
        SELECT * FROM visitor_table
        WHERE visitor_id = '".$_POST["visitor_id"]."
        ";

        $result = $visitor->get_result();

        $data = array();

        foreach($result as $row)
        {
            $data['visitor_name'] = $row['visitor_name'];
            $data['visitor_email'] = $row['visitor_email'];
            $data['visitor_mobile_no'] = $row['visitor_mobile_no'];
            $data['visitor_address'] = $row['visitor_address'];
            $data['visitor_meet_person_name'] =
$visitor->get_row('visitor_meet_person_name');
            $data['visitor_department'] = $row['visitor_department'];
            $data['visitor_reason_to_meet'] = $row['visitor_reason_to_meet'];
            $data['visitor_outing_remark'] = $row['visitor_outing_remark'];
        }

        echo json_encode($data);
    }

    if($_POST["action"] == 'Edit')
    {
        $data = array(
            'visitor_name' => $visitor->
>clean_input($_POST["visitor_name"]),
            'visitor_email' => $_POST["visitor_email"],
            'visitor_mobile_no' => $_POST["visitor_mobile_no"],
            'visitor_address' => $visitor->
>clean_input($_POST["visitor_address"]),

```

```

        ':visitor_meet_person_name' =>
$_POST["visitor_meet_person_name"],
        ':visitor_department' =>    $_POST["visitor_department"],
        ':visitor_reason_to_meet' =>    $visitor-
>clean_input($_POST["visitor_reason_to_meet"]),
    );

    $visitor->query = "
    UPDATE visitor_table
    SET visitor_name = :visitor_name,
    visitor_email = :visitor_email,
    visitor_mobile_no = :visitor_mobile_no,
    visitor_address = :visitor_address,
    visitor_meet_person_name = :visitor_meet_person_name,
    visitor_department = :visitor_department,
    visitor_reason_to_meet = :visitor_reason_to_meet
    WHERE visitor_id = " . $_POST['hidden_id'] . "
    ";

    $visitor->execute($data);

    echo '<div class="alert alert-success">Visitor Details Updated</div>';
}

if($_POST["action"] == 'delete')
{
    $visitor->query = "
    DELETE FROM visitor_table
    WHERE visitor_id = " . $_POST["id"] . "
    ";

    $visitor->execute();

    echo '<div class="alert alert-success">Visitor Details Deleted</div>';
}

if($_POST["action"] == 'update_outing_detail')
{
    $data = array(
        ':visitor_outing_remark' =>    $visitor-
>clean_input($_POST["visitor_outing_remark"]),
        ':visitor_out_time' =>    $visitor-
>get_datetime(),
        ':visitor_status' =>    'Out'
    );

    $visitor->query = "
    UPDATE visitor_table
    SET visitor_outing_remark = :visitor_outing_remark,
    visitor_out_time = :visitor_out_time,
    visitor_status = :visitor_status

```

```

        WHERE visitor_id = '".$_POST["hidden_visitor_id"]."
        ";

        $visitor->execute($data);

        echo '<div class="alert alert-success">Visitor Out Details
Updated</div>';
    }
}

?>

```

## Export.php

```

<?php

//export.php

include('vms.php');

$visitor = new vms();

$file_name = md5(rand()) . '.csv';
header("Content-Description: File Transfer");
header("Content-Disposition: attachment; filename=$file_name");
header("Content-Type: application/csv;");
$file = fopen("php://output", "w");
$header = array("Visitor ID", "Visitor Name", "Visitor Email", "Visitor Mobile No.",
"Visitor Address", "Meet Person Department", "Meet Person Name", "Reason for
Visit", "Enter Time", "Outing Remark", "Out Time", "Visitor Status", "Enter By");
fputcsv($file, $header);

if(isset($_GET["from_date"]) && isset($_GET["to_date"]))
{
    $visitor->query = "
    SELECT * FROM visitor_table
    INNER JOIN admin_table
    ON admin_table.admin_id = visitor_table.visitor_enter_by
    WHERE DATE(visitor_table.visitor_enter_time) BETWEEN
".$_GET["from_date"]." AND '".$_GET["to_date"]."
    ";
    if(!$visitor->is_master_user())
    {
        $visitor->query .= ' AND visitor_table.visitor_enter_by =
".$_SESSION["admin_id"]." ';
    }
}
else
{
    $visitor->query = "

```

```

        SELECT * FROM visitor_table
        INNER JOIN admin_table
        ON admin_table.admin_id = visitor_table.visitor_enter_by
        ";
        if(!$visitor->is_master_user())
        {
            $visitor->query .= ' WHERE visitor_table.visitor_enter_by =
            "'. $_SESSION["admin_id"]."' ';
        }
    }

    $visitor->query .= 'ORDER BY visitor_table.visitor_id DESC';

    $result = $visitor->get_result();

    foreach($result as $row)
    {
        $data = array();
        $data[] = $row["visitor_id"];
        $data[] = $row["visitor_name"];
        $data[] = $row["visitor_email"];
        $data[] = $row["visitor_mobile_no"];
        $data[] = $row["visitor_address"];
        $data[] = $row["visitor_department"];
        $data[] = $row["visitor_meet_person_name"];
        $data[] = $row["visitor_reason_to_meet"];
        $data[] = $row["visitor_enter_time"];
        $data[] = $row["visitor_outing_remark"];
        $data[] = $row["visitor_out_time"];
        $data[] = $row["visitor_status"];
        $data[] = $row["admin_name"];
        fputcsv($file, $data);
    }
    fclose($file);
    exit;

?>

```

## Change\_password.php

```

<?php

//department.php

include('vms.php');

$visitor = new vms();

if(!$visitor->is_login())
{

```

```

        header("location:".$visitor->base_url."");
    }

include('header.php');

include('sidebar.php');
?>

```

```

<div class="col-sm-10 offset-sm-2 py-4">
    <span id="message"></span>
    <div class="card">
        <div class="card-header">
            <div class="row">
                <div class="col">
                    <h2>Change Password</h2>
                </div>
                <div class="col text-right">
                </div>
            </div>
        </div>
        <div class="card-body">
            <div class="col-md-3">&nbsp;</div>
            <div class="col-md-6">
                <form method="post" id="user_form">
                    <div class="form-group">
                        <div class="row">
                            <label class="col-md-4 text-
right">Current Password <span class="text-danger">*</span></label>
                            <div class="col-md-8">
                                <input type="password"
name="current_password" id="current_password" class="form-control" required
data-parsley-minlength="6" data-parsley-maxlength="16" data-parsley-
trigger="keyup" />
                            </div>
                        </div>
                    </div>
                    <div class="form-group">
                        <div class="row">
                            <label class="col-md-4 text-
right">New Password <span class="text-danger">*</span></label>
                            <div class="col-md-8">
                                <input type="password"
name="new_password" id="new_password" class="form-control" required data-
parsley-minlength="6" data-parsley-maxlength="16" data-parsley-trigger="keyup" />
                            </div>
                        </div>
                    </div>
                </form>
            </div>
        </div>
    </div>

```

```
<label class="col-md-4 text-right">Re-enter Password <span class="text-danger">*</span></label>
<div class="col-md-8">
    <input type="password"
name="re_enter_new_password" id="re_enter_new_password" class="form-control"
required data-parsley-equalto="#new_password"data-parsley-trigger="keyup" />
</div>
</div>
<br />
<div class="form-group text-center">
    <input type="hidden" name="action"
value="change_password" />
    <button type="submit"
name="submit" id="submit_button" class="btn btn-success"><i class="fas fa-lock"></i> Change</button>
</div>
</form>
</div>
<div class="col-md-3">&nbsp;</div>
</div>
</div>
</div>
</div>
</body>
</html>

<script>
$(document).ready(function(){

    $('#user_form').parsley();

    $('#user_form').on('submit', function(){
        event.preventDefault();
        if($('#user_form').parsley().isValid())
        {
            $.ajax({
                url:"user_action.php",
                method:"POST",
                data:new FormData(this),
                contentType:false,
                processData:false,
                dataType:"JSON",
                beforeSend:function()
                {
                    $('#submit_button').attr('disabled', 'disabled');
                    $('#submit_button').html('wait...');
                },
```

```

        success:function(data)
        {
            $('#submit_button').attr('disabled', false);
            $('#submit_button').html('<i class="fas fa-
lock"></i> Change');

            if(data.error != "")
            {
                $('#message').html(data.error);
            }
            else
            {
                $('#user_form')[0].reset();
                $('#message').html(data.success);
                setTimeout(function(){
                    $('#message').html("");
                }, 5000);
            }
        }
    })
}

});

</script>

```

## Logout.php

```

<?php

//logout.php

session_start();

session_destroy();

header("location:index.php");

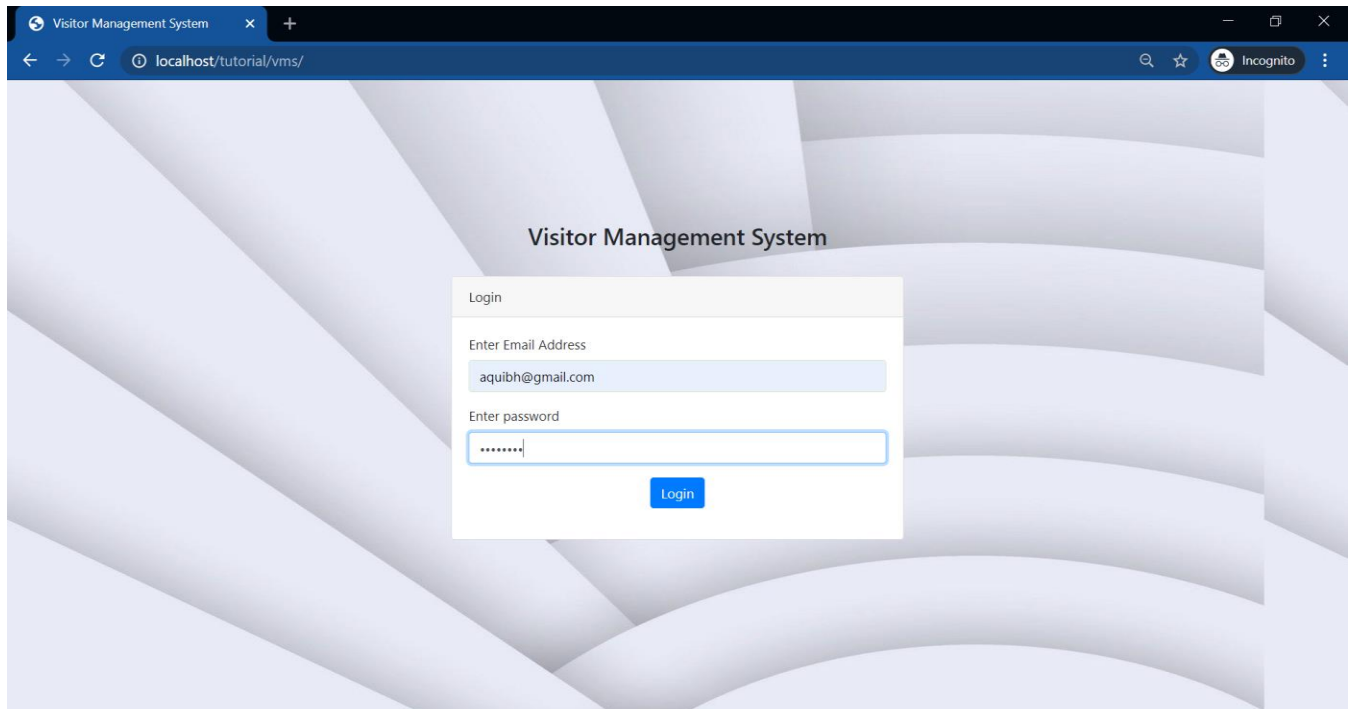
?>

```



## Screen Layouts & Report Layouts

### Login page



The screenshot shows a web browser window with the title "Visitor Management System" and the URL "localhost/tutorial/vms/". The page features a light blue background with a subtle wave pattern. In the center, there is a white login form titled "Login". The form contains two input fields: "Enter Email Address" with the value "aquibh@gmail.com" and "Enter password" with masked characters "\*\*\*\*\*". A blue "Login" button is positioned below the password field.

Visitor Management System

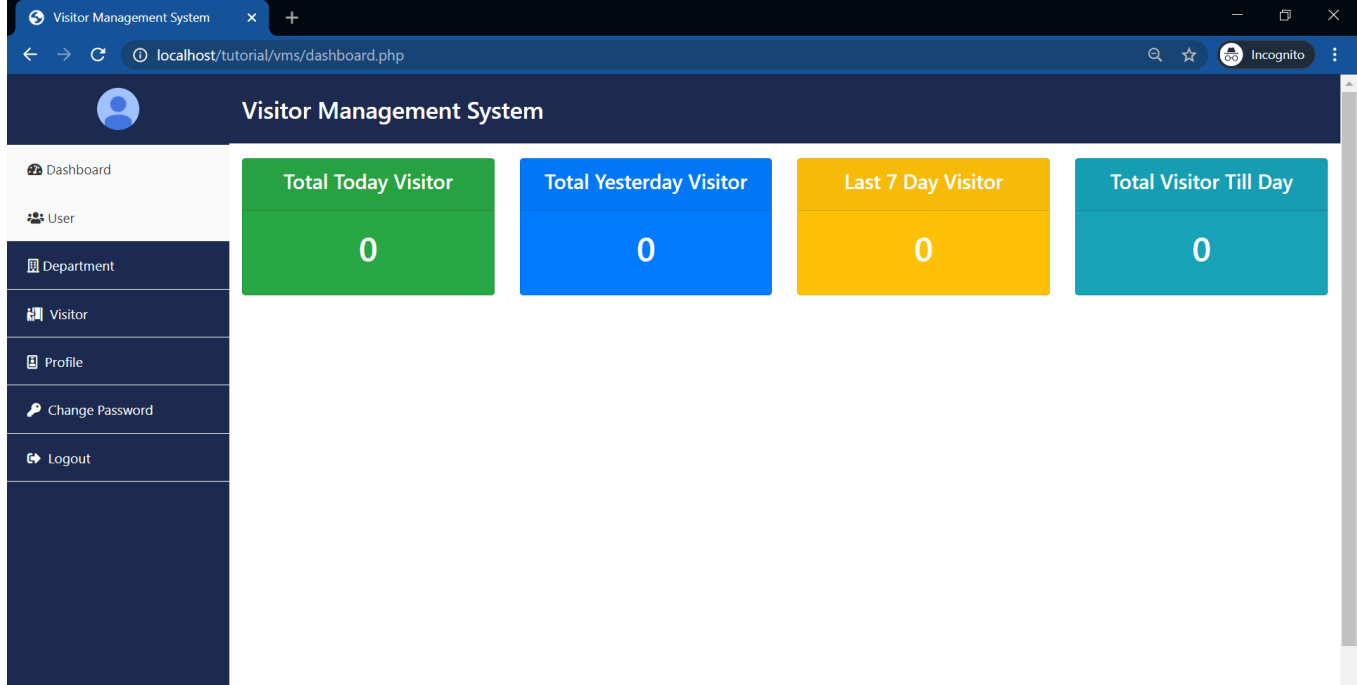
Login

Enter Email Address  
aquibh@gmail.com

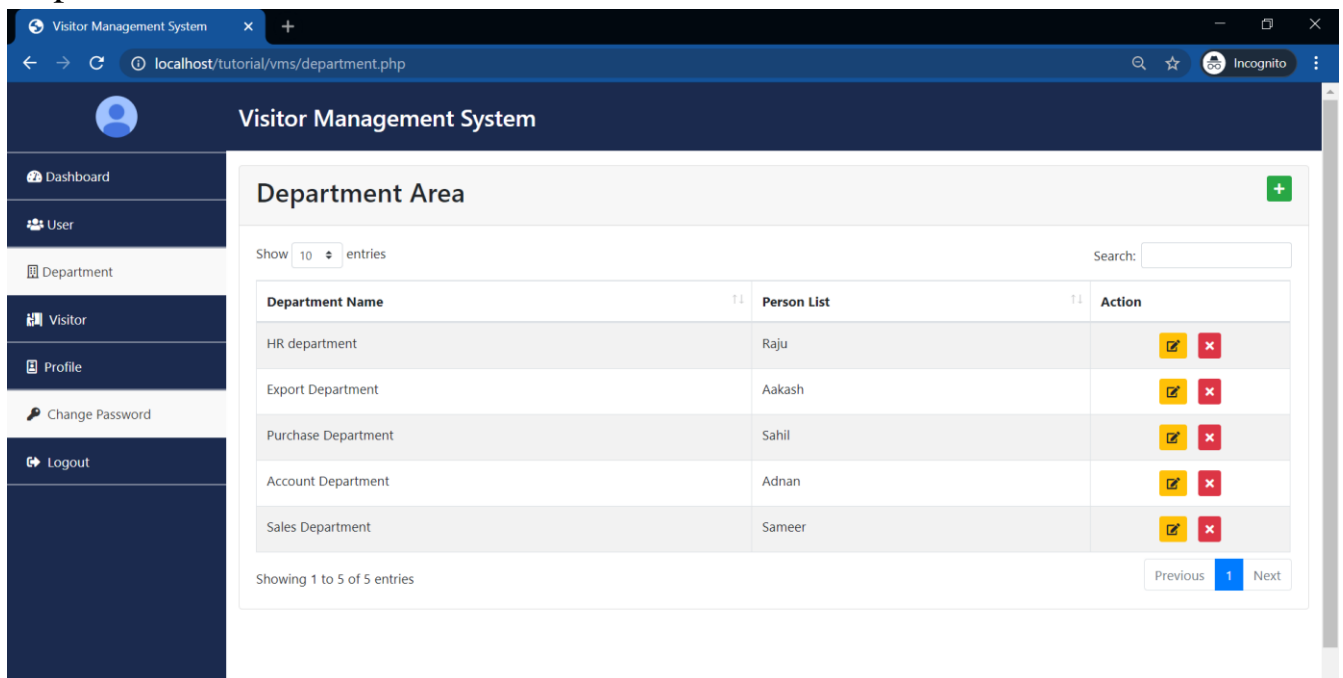
Enter password  
\*\*\*\*\*

Login

### Dashboard



## Department



## Users

Visitor Management System

Dashboard

User

Department

Visitor

Profile

Change Password

Logout

## User Management

Show 10 entries

Search:

Image	User Name	User Contact No.	User Email	Created On	Action
	Rocky	9999999999	rocky@gmail.com	2021-04-07 18:35:41	
	Raju	8569852632	raju@gmail.com	2020-11-11 14:00:27	
	Aakash	96369852635	aakash@gmail.com	2020-11-09 12:46:35	
	Kamal	9632585203	kamal@gmail.com	2020-11-09 12:45:44	
	Sameer	7453952852	sameer@gmail.com	2020-11-09 12:44:57	

## Visitors

Visitor Management System

Dashboard

User

Department

Visitor

Profile

Change Password

Logout

## Visitor Area

From Date To Date

Show 10 entries

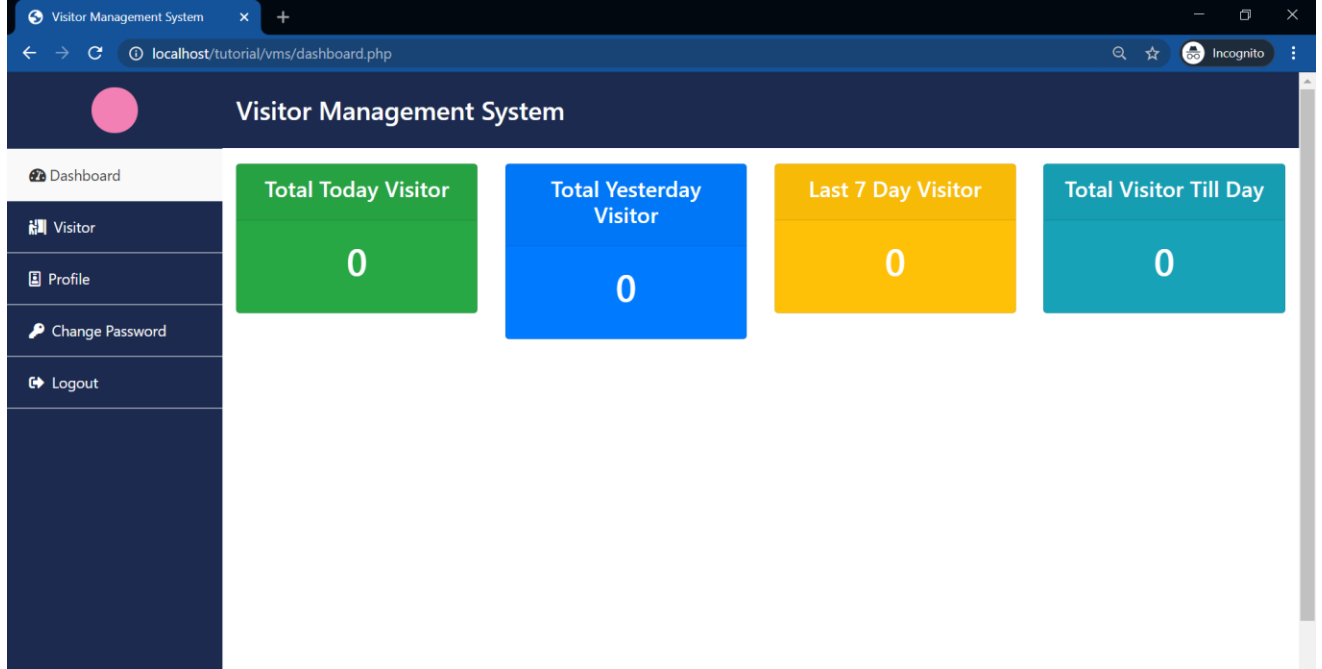
Search:

Visitor Name	Meet Person Name	Department	In Time	Out Time	Status	Enter By	Action
Abhishek	Aakash	Export Department	2021-04-07 19:47:21	2021-04-07 19:47:33	Leave	Aquib Husain	
Farhan	Sameer	Sales Department	2021-04-07 19:44:56	0000-00-00 00:00:00	In Premises	Aquib Husain	
Raju Rastogi	Adnan	Account Department	2021-04-07 19:43:51	0000-00-00 00:00:00	In Premises	Aquib Husain	
Sahil	Raju	HR department	2021-04-07 19:40:37	0000-00-00 00:00:00	In Premises	Aquib Husain	

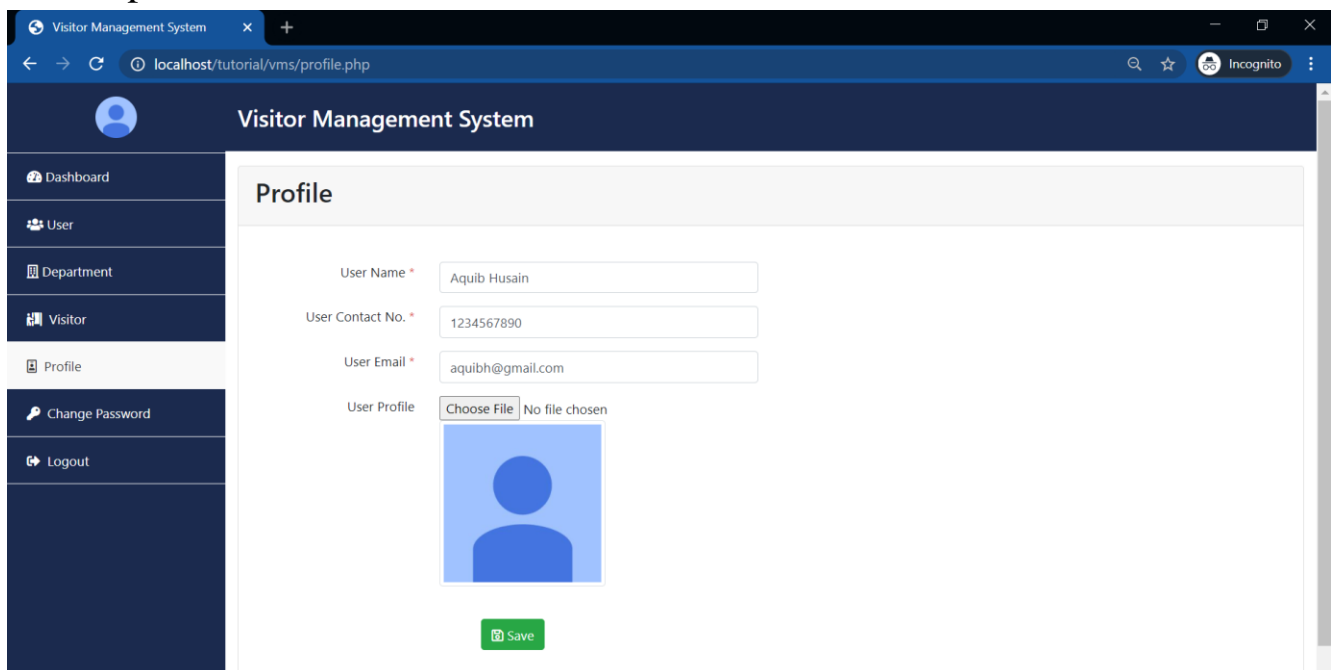
Showing 1 to 4 of 4 entries

Previous 1 Next

## User Dashboard



## Admin profile



## Sub User Profile

Visitor Management System

localhost/tutorial/vms/profile.php

Incognito

Visitor Management System

Dashboard

Visitor

Profile

Change Password

Logout

Profile

User Name \*

Rocky

User Contact No. \*

999999999

User Email \*

rocky@gmail.com

User Profile

Choose File

No file chosen

## **Future Enhancements**

1. Adding different themes in user interface for residence visitor management.
2. Adding a prospectus guide after the registration page to provide a basic tutorial for users for better understanding.
3. Adding a more highly secured database as for the visitors and company privacy.
4. Working on the database to handle more and more employees without a website crash or errors.

## **Bibliography**

**HTML and CSS :**

<https://www.udemy.com/share/103Pzy/>

**JSON and AJAX tutorial:**

[https://www.youtube.com/watch?v=rJesac0\\_Ftw](https://www.youtube.com/watch?v=rJesac0_Ftw)

**Bootstrap 4 tutorial:**

<https://www.youtube.com/watch?v=gqOEoUR5RHg>

**PHP tutorial :**

[https://www.youtube.com/watch?v=OK\\_JCtrrv-c](https://www.youtube.com/watch?v=OK_JCtrrv-c)