Employee Management Hierarchical System

Sahil Singh 16BCE2285
Abhaya Shrestha 16BCE2292
Aayush Mallik 16BCE2296

Advisor: Lokesh Kumar R

Acknowledgement

We would like to take this space to thank our teacher, Mr. Lokesh Kumar R. It is because of him that we were provided with opportunity to grow. Our project is very basic to its core and does not use complex form of web designing but from this we have learnt a lot.

The greatest thing about a project is what you take from it. We initially had a lot of trouble, compiling the code. Also the databases that we used were causing trouble. The databases were not responding properly as well some functionalities that we implemented were failing to work our way. Although these problems were there we were able to give it time and resolve the issue. This project has also taught us to work as a group. We divided our tasks and worked through the project. A project is reflected by the hard word each and every member puts and the success of the website running shows just that.

In all notes, we would like to thank sir again for this opportunity and we hope that we have not disappointed you in any field of this project.

Abstract

Population of the earth is increasing every day. It ticks around 7.7 billion during the time we hand over the project. This means there would be an addition of population in the working industry as well.

In the old ages people used to record data in written forms. Data are a very important information when it comes to resource management. If we were to build a company right now and implemented the idea of writing the data down for the work, we would have messed things up a big time. The old methods were applied when a suitable device was not there to store data.

Overtime we moved over to personal computers. This was a very good approach for storing data. The number of pages spent on writing the data down only took a small space. But then again the information was increasing and it was being hard to manage the data.

A database software was introduced for this process and the use of this made the segmentation of data possible. It is because of this we were able to classify all the data. But still the space provided by the old computers were not enough. The population was still, and is still on a rise.

So, we moved into the era of online cloud storing of data. Here, we utilize the internet to store data. This is also called cloud storage.

A similar approach has been taken into our project. We have designed an employee management system that is able to store data over the database. The idea is to make the site online so that it could be accessed by everyone who have the right credentials.

LIST OF FIGURES

LIST OF ABBREVIATIONS

Php -> Hypertext Preprocessor (Personal Home Page)
Css -> Cascading Style Sheet
MySQL -> Standarized Query Language

LIST OF TABLES

Introduction

The main idea of this project is to create a database based system for handling the employee using the help of web development tools like php. The web tool helps us design a web page that provides an interface for the user to work on as well as provide the flexibility to code and add restrictions to the data field. This is also called validations. In this way we are able to achieve a clean design flow of our management website.

1.1 System Overview

An interface is there for the user to login. The login could be of either the admin or the employee. The employee can make an account in the database. The employee can add in his/her name, a profile picture and few other queries. The admin is the able to look through the user and also modify and/or delete the profile.

All of these is managed using php and the styles that are provided to the website are through css.

1.2 Objective

To create an interactive web design between the user and the algorithm that helps to store and manage database.

1.3 Applications

The applications of this project is very varied. The user can use the same concept of storing and maintaining the database in so many different fields. For instance in a school system.

In a school there are many students being added and removed each year. It would be very hard to maintain all their data into a single place. So, for this an effective database system could be used. Also, if it is live all the students can see their data (example like VTOP) as well as the admin is able to add or remove the data.

1.4 Limitations

The limitations of this project come into play when there are a lot of similar kind of data. If all the data are similar it would be very hard to extract the exact information. Sure primary keys could be added but in some cases a lot of input data become eerily similar to each other.

1.5 Organization of report

Literature Survey

Management is not only about managing resources and controlling expenses. Although these are basic functions of management, there's more to management than just managing resources and controlling expenses. Another extremely important function of management is the ability to manage employees - especially since they are the lifeline of any business. Given the downturn in the economy, many businesses have not only been forced to lay off employees, but they've also been forced to close their doors due to a lack in demand. However, there are also businesses that have capitalized on the downturn of the economy to reduce overhead and increase employee productivity even if the need does not exist. This can certainly be a temporary fix, but squeezing everything out of employees does not appear to be the solution for long term business success. With that in mind, this project will dive into some of the common management issues that businesses and leaders face today such as; the effects of poor leadership, not motivating employees effectively, and not being able to manage conflict appropriately. Based on the study of these management issues, the study concludes that poor leadership can result in not providing proper direction and/or guidance to your employees to meet company goals, not motivating employees can result in a decrease in employee productivity, and not managing conflict can lead to low morale and even a belief of inequality among the workgroup if issues are not handled properly. Further research would be appropriate to explore solutions to these issues.

System Analysis

3.1 Existing System

We have used php and MySQL for this project. For the styling css was used.

For the web server with the help of XAMPP we used apache server and we

controlled the database through the same.

3.2 Proposed System

We are currently satisfied with the existing system. However from an article we read we could have used firebase for more simplistic data handling.

3.2.1 Benefits of Proposed System

Firebase is handled by Google. Thus they already have a good credibility when it comes to tools. Also it is more simplistic.

Requirement Sepcification

4.1 Hardware Requirements

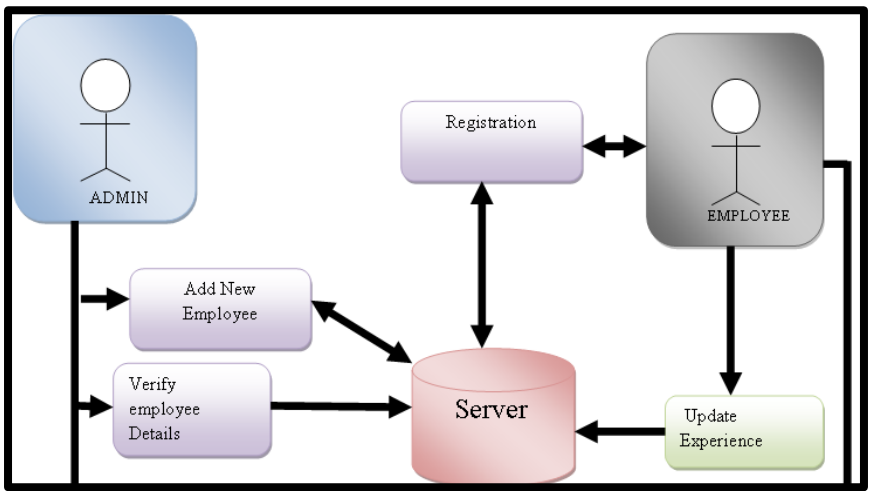
No specific hardware requirements. It runs properly in all systems.

4.2 Software Requirements

For running the MySQL in XAMPP, you need to have a version of any MySQL installed. Here we have used SQL plus 11.2.0.

System Design Specification

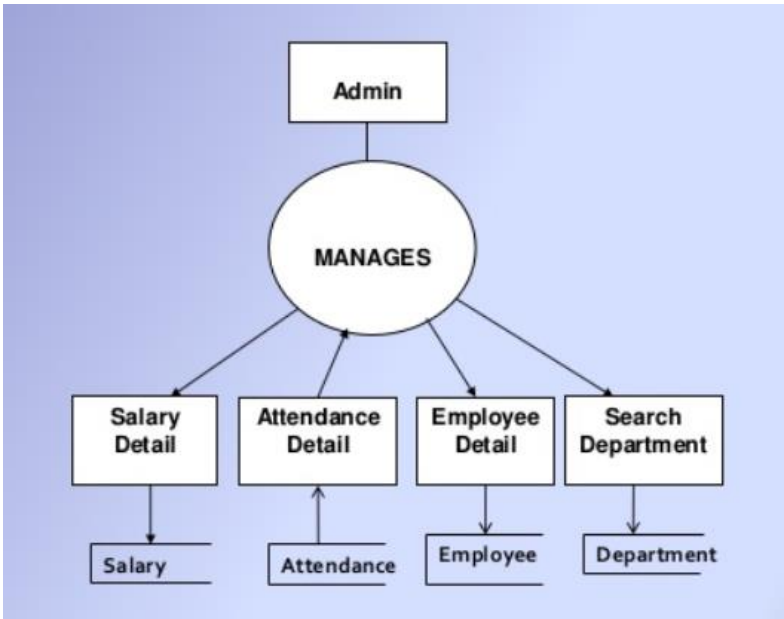
5.1 System Architecture



5.2 Module Description

- The server module handles all the data
- There are two users, an admin and an employee
- The admin can add or view the employee
- The employee could register and update his/her experience

5.3 Detailed Design



5.4 Database Design

Admin

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
☐	1	ID	int(11)			No	None		AUTO_INCREMENT	Change Drop More
☐	2	name	varchar(128)	latin1_swedish_ci		No	None			Change Drop More
☐	3	email	varchar(128)	latin1_swedish_ci		No	None			Change Drop More
☐	4	pass	varchar(1000)	latin1_swedish_ci		No	None			Change Drop More

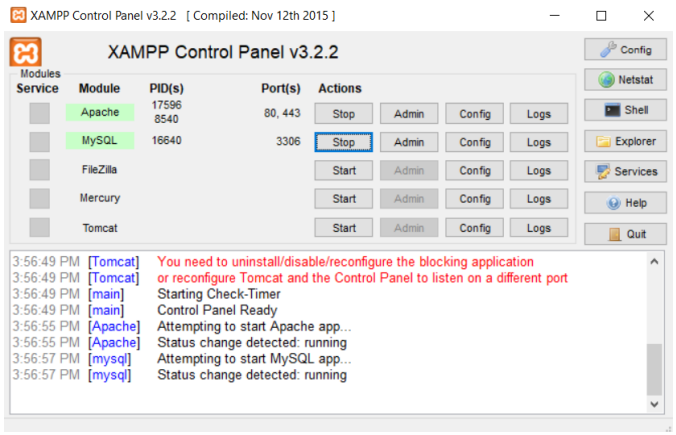
Profile Image

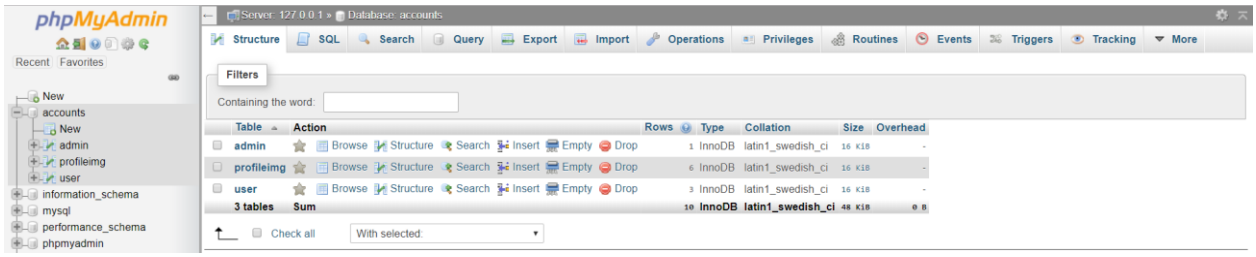
	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
☐	1	id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
☐	2	userid	int(11)			No	None			Change Drop More
☐	3	status	int(11)			No	None			Change Drop More

User

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
☐	1	id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
☐	2	name	varchar(128)	latin1_swedish_ci		No	None			Change Drop More
☐	3	pass	varchar(1000)	latin1_swedish_ci		No	None			Change Drop More
☐	4	email	varchar(128)	latin1_swedish_ci		No	None			Change Drop More
☐	5	doe	date			No	None			Change Drop More
☐	6	gender	varchar(6)	latin1_swedish_ci		No	None			Change Drop More
☐	7	phone	varchar(10)	latin1_swedish_ci		No	None			Change Drop More
☐	8	position	varchar(128)	latin1_swedish_ci		No	None			Change Drop More

System Implemetation





Conclusion and Future Enhancement

In conclusion we can see that the databases are properly handled by the phpmyadmin and the website is hosted properly with the help of XAMPP.

For future enhancement we could have used software like Adobe XD. This software is only for designing purpose. So, we could have laid down a good design and then worked on the back end. Currently the system is working well but the design is not user friendly. We could work on that.

Appendices

8.1 Appendix 1 – Sample Source Code

To connect with the database:

```
<?php
require 'includes/db.inc.php';
session_start();
?>
```

To call the css and the animation:

```
<head>
```

```
    <meta charset="utf-8">
    <meta http-equiv="X-UA-compatible" content="IE-edge">
    <title>IWP Project</title>
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <meta name="description" content="Employee Management website" />
    <meta name="keywords" content="Employee" />
    <meta name="author" content="IWP Everyone" />
    <link rel="stylesheet"
href="node_modules\bootstrap\dist\css\bootstrap.min.css">
    <link rel="stylesheet" href="node_modules\bootstrap\dist\css\bootstrap-
theme.min.css">
    <link rel="stylesheet" href="css/animate.css">
    <link rel="stylesheet" href="node_modules\font-awesome\css\font-
awesome.min.css">
    <link rel="stylesheet" href="mystyle.css">
</head>
```

Script:

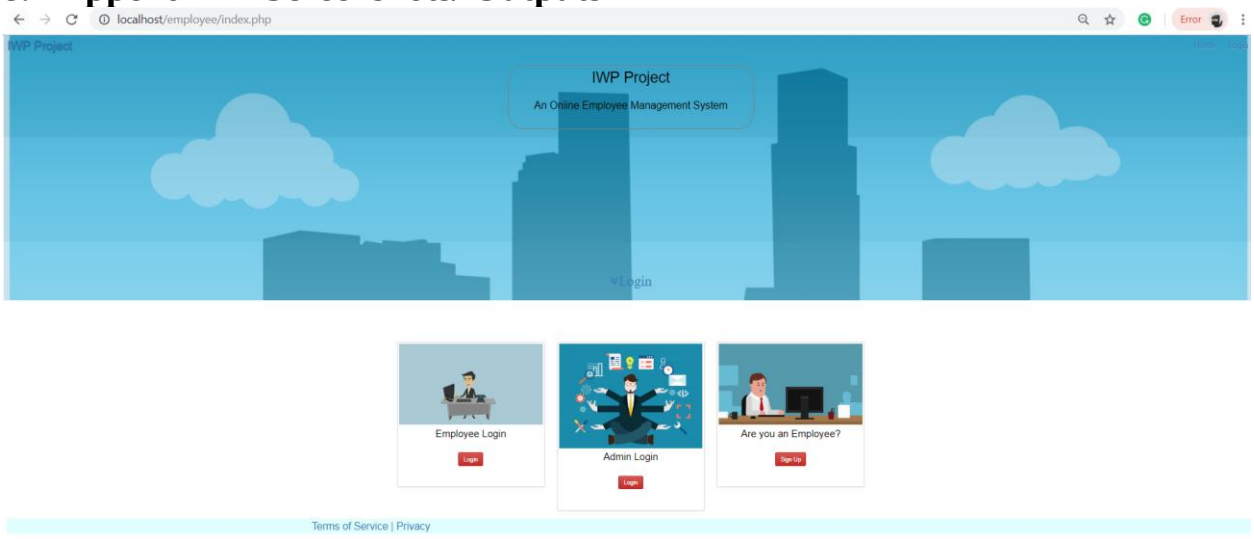
```
<script src="http://code.jquery.com/jquery-3.2.1.min.js" integrity="sha256-
hwg4gsxgFZhOsEEamdOYGBf13FyQuiTwlAQgxVSNgt4="
        crossorigin="anonymous"></script>
    <script src="node_modules\popper.js\dist\popper.min.js"></script>
    <script src="node_modules\bootstrap\dist\js\bootstrap.min.js"></script>
    <script src="js/myscript.js"></script>
```

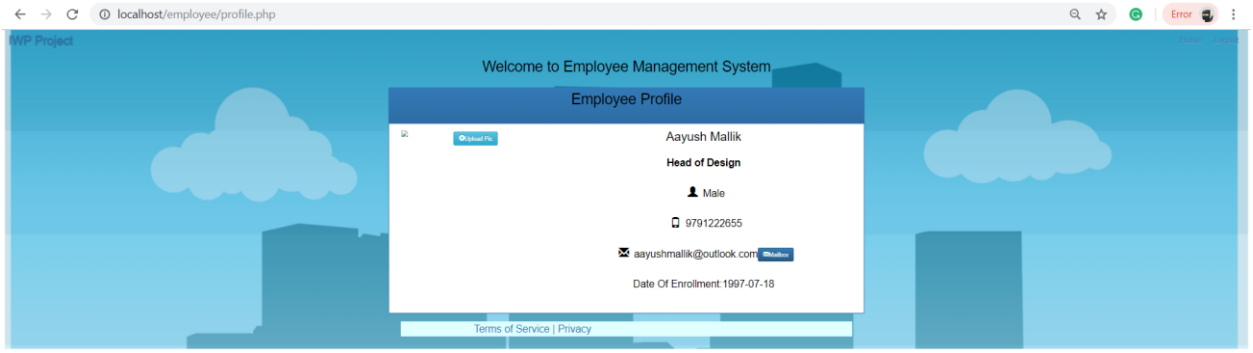
Validate:

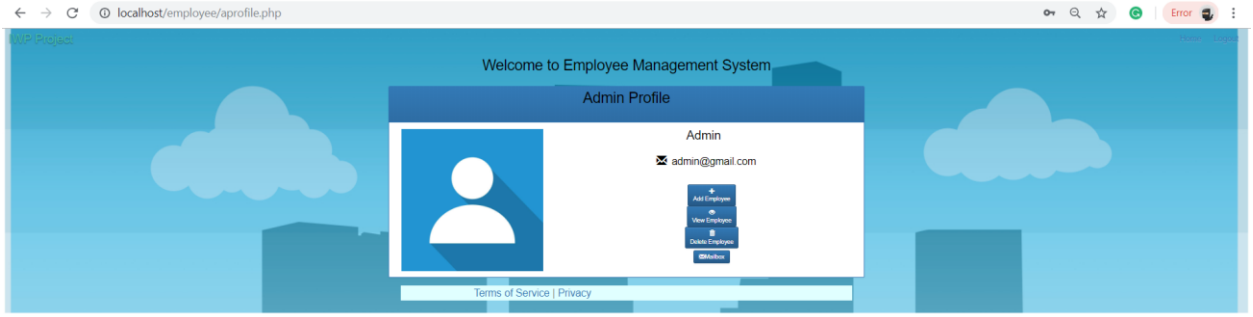
```
function validateEmail()
{
  var emailID = document.getElementById('email').value;

  atpos = emailID.indexOf("@");
  dotpos = emailID.lastIndexOf(".");

  if (atpos < 1 || ( dotpos - atpos < 2 ))
  {
    alert("Please enter correct email ID")
    document.getElementById('email').focus() ;
    return false;
  }
 return( true );
}

function validateform()
```

```
{
   var num=document.getElementById('phone').value;
   if(num=="")
   {
      alert("Please enter the phone number");
      document.getElementById('phone').focus();
      return false;
   }
   if(isNaN(num))
   {
      alert("Invalid phone number");
      document.getElementById('phone').focus();
      return false;
   }
   if((num).length < 10)
   {
      alert("Phone number should be minimum 10 digits");
      document.getElementById('phone').focus();
      return false;
   }
   if((num).length > 10)
   {
      alert("Phone number should be minimum 10 digits");
      document.getElementById('phone').focus();
      return false;
   }

   return true;
}
```

8.2 Appendix 2- Screenshots/ Outputs







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