

EMPLOYEE MANAGEMENT SYSTEM

A mini-project report submitted for
Internet Programming (Semester V)

by

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(sign with date)



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1. _____

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Date:

Place:

Abstract

Employee management is one way to help turn an underperforming employee around or prevent high-performing employees from becoming a weak performer. The concept of employee management is more than just making sure that people are doing their jobs; it's a variety of procedures and strategies that can help you measure, monitor, and interact with the workforce that plays a huge role in your company.

A well planned, systematically executed industrial training helps a great deal in inculcating a good work culture. It provides a linkage between students and the industry in order to develop awareness of the industrial approach to problem solving based on broad understanding of operations of the industrial organizations.

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ITC502.1: Design interactive web page(s) using HTML, CSS and JavaScript.

Rubrics for the assessment:

Indicator	Very Poor	Poor	Average	Good	Excellent
Timeline (2)	More than a session late (0)	NA(0.5)	NA(1)	NA(1.5)	Early or on time (2)
Code design(4)	NA (0)	Very poor code design with no comments and indentation(1)	Poor code design with very comments and indentation (2)	Design with good coding standards (3)	Accurate design with better coding standards (4)
Dynamic Web pages in the website (4)	Website does not have dynamic web pages (0)	Very few pages are dynamic pages (1)	Very few pages are dynamic with event handling mechanisms(2)	Appropriate use of event handling for making web pages dynamic (3)	Sufficient number of dynamic web pages along with appropriate event handling mechanisms (4)

ITC502.2: Design a responsive web site using HTML5 and CSS3.

Rubrics for the assessment:

Indicator	Very Poor	Poor	Average	Good	Excellent
Timeline (2)	More than a session late (0)	NA(0.5)	NA(1)	NA(1.5)	Early or on time (2)
Code design(4)	NA (0)	Very poor code design with no comments and indentation(1)	Poor code design with very comments and indentation (2)	Design with good coding standards (3)	Accurate design with better coding standards (4)
Responsiveness of the website (4)	Website is not responsive (0)	Few parts of the website are responsive and scale well on few devices(1)	Many parts of the website are responsive but work on few devices (2)	Many parts of the website are responsive and work on majority of the devices (3)	Almost all parts of the website are responsive and work on almost all devices (4)

ITC502.3: Develop Rich Internet Application.

Rubrics for the assessment:

Indicator	Very Poor	Poor	Average	Good	Excellent
Timeline (2)	More than a session late (0)	NA(0.5)	NA(1)	NA(1.5)	Early or on time (2)
Code design(4)	NA (0)	Very poor code design with no comments and indentation(1)	Poor code design with very comments and indentation (2)	Design with good coding standards (3)	Accurate design with better coding standards (4)
RIA on the website (4)	Website does not have RIA(0)	Many errors in the AJAX code(1)	Few errors in the AJAX code (2)	AJAX code with minimal errors(3)	Error free AJAX code performing the desired task (4)

ITC502.4: Build Dynamic web site using server side Programming and Database connectivity.

Rubrics for the assessment:

Indicator	Very Poor	Poor	Average	Good	Excellent
Timeline (2)	More than a session late (0)	NA(0.5)	NA(1)	NA(1.5)	Early or on time (2)
Code design(4)	NA (0)	Very poor code design with no comments and indentation(1)	Poor code design with very comments and indentation (2)	Design with good coding standards (3)	Accurate design with better coding standards (4)
Server side Programming and database connectivity (4)	Website with no database connectivity(0)	Website with no validations from the database (1)	Website with database connectivity but poor database design (2)	Website with database connectivity with good database design (3)	Website with database connectivity with good database design and better performance(4)

Chapter 1

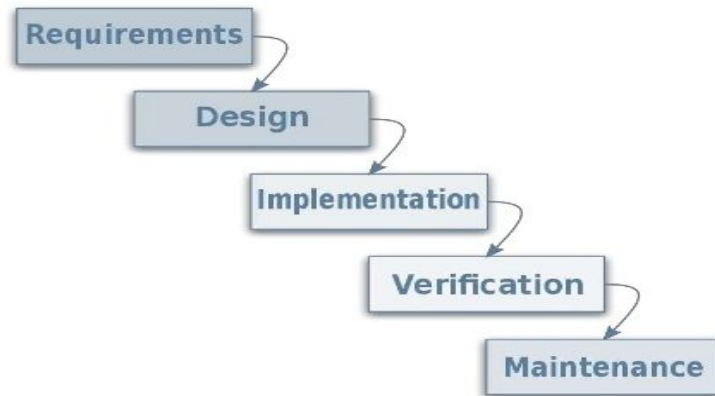
Introduction

The objective of “Employee Management System” is designing a scheduling system for a work centre. Scheduling is such a tool with which the process of intimating activities and notifications will be easy and even online in the organization where it is installed. But these task of scheduling the different activities if manually done whether they may be personal or official is time consuming and also may lead to confusion if not properly scheduled. Employee Management System is a distributed application, developed to maintain the details of employees working in any organization. It maintains the information about the personal details of their employees. The application is actually a suite of applications developed using PHP. It is simple to understand and can be used by anyone who is not even familiar with simple employee’s system. It is user friendly and just asks the user to follow step by step operations by giving him few options. It is fast and can perform many operations of a company or organization. This software project has been developed using the powerful coding tools of HTML, CSS and PHP at Front End and Microsoft Sql Server at Back End. The software is very user friendly. The project contains modules like Employee and Admin. This version of the software has multi-user approach. For further enhancement or development of the package, user’s feedback will be considered.

Chapter 2

Brief Explanation of the project

2.1 Design Process of the Project



Requirement Gathering and analysis : All possible requirements of the system to be developed are captured in this phase and documented in a requirement specification document.

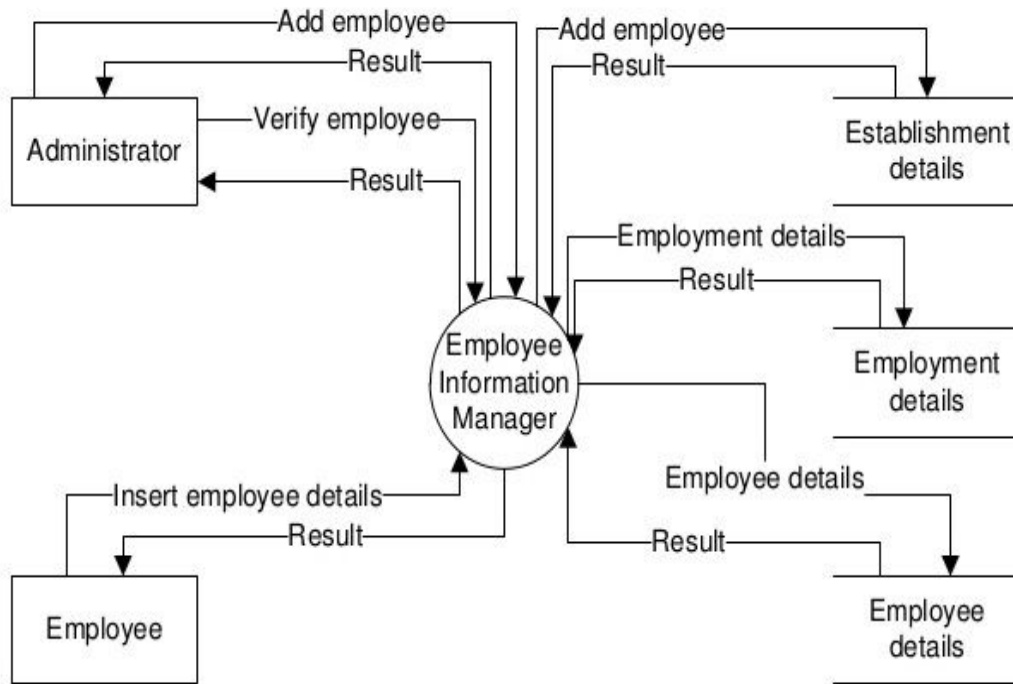
System Design : The requirement specifications from first phase are studied in this phase and system design is prepared. This system design helps in specifying hardware and system requirements and helps in defining the overall system architecture.

Implementation : With inputs from the system design, the system is first developed in small programs called units, which are integrated in the next phase. Each unit is developed and tested for its functionality, which is referred to as Unit Testing.

Integration and Testing : All the units developed in the implementation phase are integrated into a system after testing of each unit. Post integration the entire system is tested for any faults and failures.

Maintenance : There are some issues which come up in the client environment. To fix those issues, patches are released. Also to enhance the product some better versions are released. Maintenance is done to deliver these changes in the customer environment.

2.2 Database Design



working of database structure

- In the database firstly the user signups for the employee the credentials of the user are stored in database.
- while the user sign in the credentials are retrieve from database and the user gets access to his portal.
- for admin he cannot signup he has to login with his details as admin access can be hold by only one intended person.
- the entries like education details and experience details are also store on data base and can be viewed on both admin and user side.

Chapter 3

Process used to make website responsive

Responsive design is the practice of designing a website so it looks and works properly on a range of different devices — particularly mobile phones and tablets as well as desktops and laptops. The most obvious factor here is screen size, but there are other factors as well, including the pixel density of the display and whether it supports touch.

Responsive Design Mode gives you a simple way to simulate these factors, to test how your website will look and behave on different devices.

Responsive Web design has become an essential tool for anyone with a digital presence. With the growth of smartphones, tablets and other mobile computing devices, more people are using smaller-screens to view web pages.

We have used our website on different devices in order to make our website more responsive so here are the screenshots of the different devices that prove the responsiveness of our website.

code used in program to make website responsive:-

```
<meta charset="utf-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

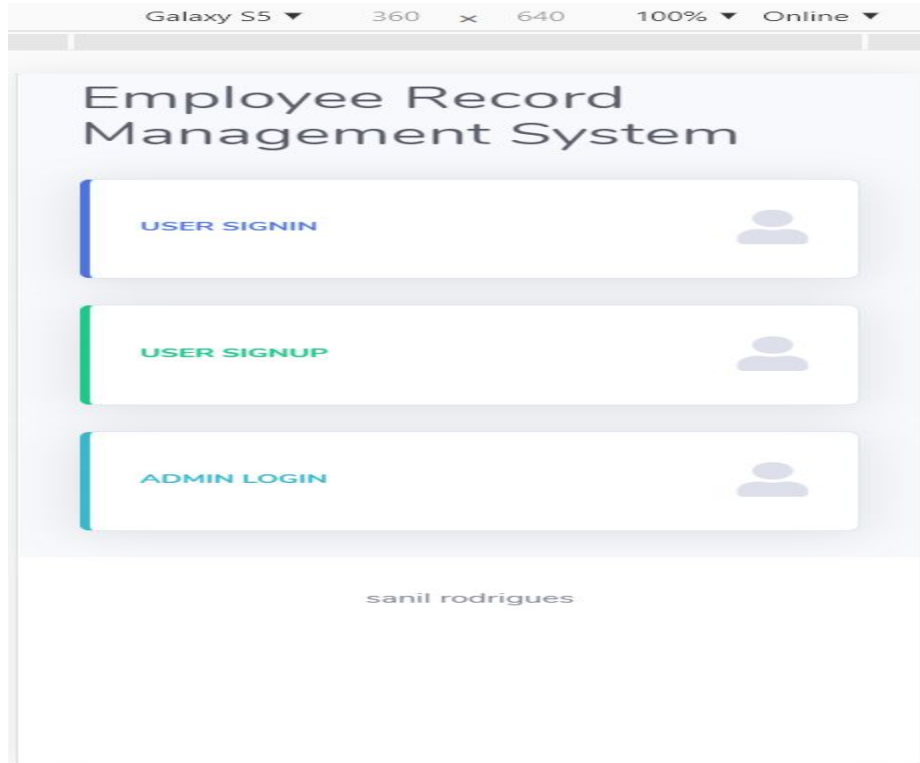
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

<meta name="description" content="">

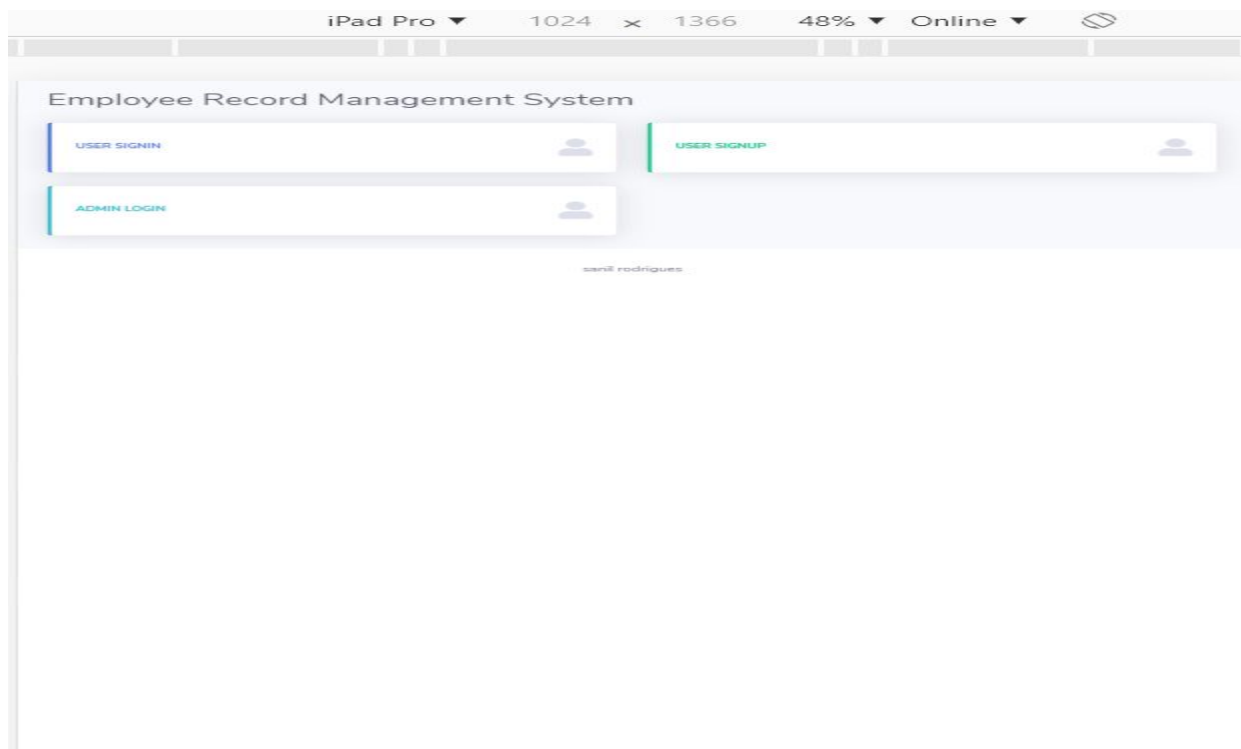
<meta name="author" content="">
```

by using the following code the website becomes responsive and can be viewed form other devices in proper format and order.

Responsive website on samsung galaxy s5:-



Responsive website on ipad:-



Chapter 4

Process of interfacing front end with the back end

code for interfacing front end with backend:-

```
<?php

$dbhost = 'localhost:3036';
$dbuser = 'guest';
$dbpass = 'guest123';
$conn = mysql_connect($dbhost, $dbuser, $dbpass);

if(! $conn ) {
    die('Could not connect: ' . mysql_error());
}

echo 'Connected successfully';

mysql_close($conn);

?>
```

In the above code the php ie.the frontend is connected to backend i.e Mysql.php takes the username and password and host,then it connects to the database using mysql_connect method.if connection is failed then it will display error message and if the connection is successful it will get connected to backend.

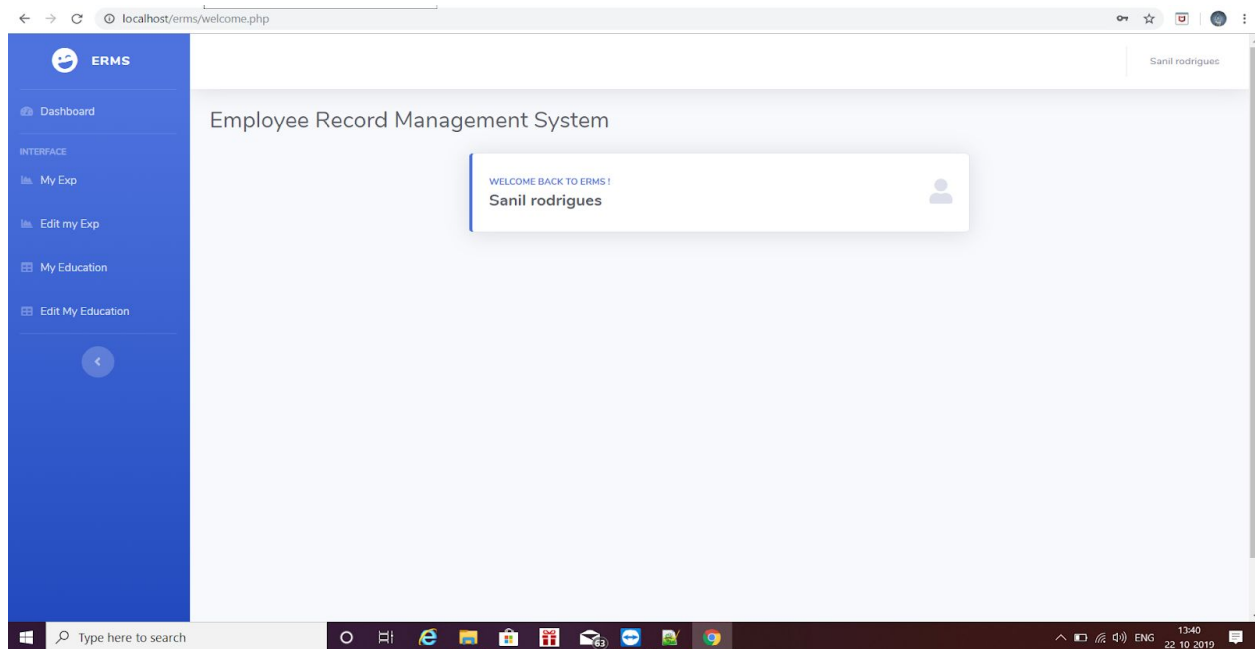
Chapter 5

Testing of the website

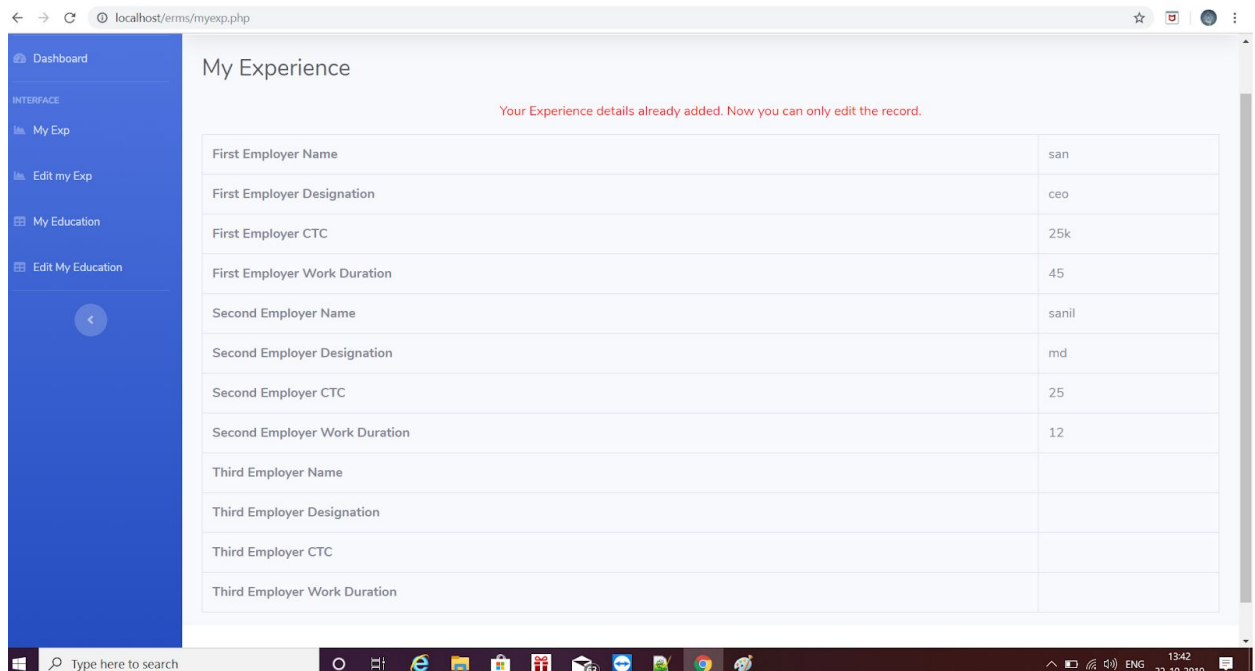
Test cases:-

Test Case ID	Test Scenario	Test Steps	Test Data	Expected Results	Actual Results	Pass/Fail
TU01	Check employee Login with valid Data	Go to site erms Enter Email Enter Password Click Submit	Email:-sanilrod20@gmail.com password:-admin	User should Login into an application.	As Expected	Pass
TU02	To check the education details can be edited	Go to site erms Login into user Click on edit details Click on edit	ssc %=74	The details should be updated	As Expected	Pass
TU03	Check admin Login with valid Data	Go to site erms admin Enter username Enter Password Click Submit	username-admin password-admin	admin should Login into an application.	As Expected	Pass

use dashboard:-




User expirience details:-



User signup:-

localhost/erms/registererms.php

Employee Record Management System



Create an Account!

Register Account

[Already have an account? Login!](#)

Admin Panel:-

localhost/erms/admin/allemployees.php

ERMS ADMIN

Sanil Rodrigues

Dashboard

INTERFACE

All Employees

←

Employees Details

S no.	Emp Code	Emp First Name	Emp Last Name	Emp Email	Emp Contact no	Emp Joining Date	Action
1	401301	Sanil	rodrigues	sanilrod20@gmail.com			Edit Profile Details Edit Education Details Edit Experience Details
2	2	rincy	pereira	pereirarincy24@gmail.com			Edit Profile Details Edit Education Details Edit Experience Details

Sanil rodrigues

Type here to search

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Chapter 6

Future Scope

As a future scope some additional features can be implemented and integrated into the application code making it more reliable and flexible. The well managed employee means giving an appropriate financial awareness and all kind of benefits. The role of such system is basic and essential in each company that wants to keep a good control and record concerning its personnel data, functionality, and performance in all levels. Reuseable is possible in this application as and when needed. We can update the application as the requirements of the client.

Some of the features that can be added like:

- To generate online salary slip.
- leave applications.
- List of Holidays
- Employee related services
- To put more of system online to reduce paper work

Appendix

Attach Assignment 1 with rubrics

Attach Assignment 2 with rubrics

Attach Certificate of the web programming related course done if any