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## **ABSTRACT**

The main objective of the project is to manage the office activities. The system stores the all-important data in a database. In this project, there are various types of modules.

## **MODULES**

1. Employees Registration Module
2. Login Module
3. Admin Module
4. Time Sheet Module

## **OVERVIEW**

This application is built to help the office management to manage employee activities.

### **Users of the System:**

1. Employee
2. Admin

### **Functional Requirements:**

- This is an Office Management Application which helps the management to manage the activity.
- The application should display the list of service that provided by the company side.
- Based on the availability the Employee can select the particular option which they want to explore.
- Register for the new Employee then we want to select Registration Page.
- Once the registration is over the data has automatically saved in the DataBase.
- After Successfully Registered then Employee will login into the Login Page.
- Once he login the Page is redirected to the Welcome Page where the Employee partial will be displayed their and employee need to enter the time sheet. If he logout from that page again it comes back to the Login Page.
- If there is any change in the Registration data then Admin Will do the changes and save it in the DataBase.

**SPECIFICATIONS**

<b>Title of the Project</b>	<b>Office Management System</b>
<b>Software Requirements</b>	<ul style="list-style-type: none"> <li>• <b>Operating System :</b> Windows 10 or 11</li> <li>• <b>Database Server:</b> Microsoft SQL Server 2019 Express edition</li> <li>• <b>Client:</b> Microsoft edge, Chrome, Firefox</li> <li>• <b>Tools:</b> Microsoft Visual Studio 2019, .Net framework 4.8</li> <li>• <b>Frontend:</b> HTML, CSS, ASP.NET, Bootstrap</li> <li>• <b>Backend:</b> C#, ADO.NET</li> </ul>
<b>Hardware Requirements</b>	<ul style="list-style-type: none"> <li>• <b>Processor:</b> Intel core i3 or more</li> <li>• <b>Ram:</b> 4 GB Ram or more</li> </ul>
<b>Security</b>	<ul style="list-style-type: none"> <li>• App Platform – Username/Password-Based Credentials</li> <li>• Secure connection for transmission of any data</li> </ul>
<b>Performance</b>	<ul style="list-style-type: none"> <li>• Non-Peak Load Performance</li> <li>• Registration Application &lt; 10 Sec</li> <li>• Admin Application &lt; 10 Sec</li> </ul>
<b>Availability</b>	<ul style="list-style-type: none"> <li>• 99.99 % Availability</li> </ul>
<b>Standard Features</b>	<ul style="list-style-type: none"> <li>• Scalability</li> <li>• Maintainability</li> <li>• Usability</li> <li>• Availability</li> <li>• Failover</li> </ul>
<b>Browser Compatible</b>	<ul style="list-style-type: none"> <li>• All latest browsers</li> </ul>

**Application Assumptions:**

1. The Home page should be the first page rendered when the application loads.

2. For example, if the Employee enters as `http://localhost: ----/signup` or `http://localhost:----/home` the page should navigate to the corresponding page.
3. Unless logged into the Login Page, the user cannot navigate to the login pages.
4. Logging out must again redirect to the login page.
5. To navigate to the admin side, you can login into the admin page.
6. Use Admin as the EmpId and password to navigate to the admin dashboard.

### **Validations:**

1. Basic EmailId validation should be performed.
2. Basic Phone No validation should be performed.
3. Basic Age validation should be performed.
4. Basic Password validation should be performed.


## FRONTEND

### Customer:

1. Home Page: When we navigate into the Office Management page (SR CONTRACTORS) first we will see the Home Page.
  - a. Ids: Refer to the screenshot below for the id details.
  - b. Routing URL: <http://localhost:-----/Home.aspx>
  - c. Output screenshot:



2. When we navigate into the Office Management page (SR CONTRACTORS) second we will see the services page provided by the company.
  - a. Ids: Refer to the screenshot below for the id details.
  - b. Routing URL: <http://localhost:-----/OurServices.aspx>
  - c. Output screenshot:



## WELCOME TO SR CONTRACTORS

- Home
- Our Services
- Register
- Login
- Admin Page
- Contact Us

### DESIGN

Design is our passion! Our team of Top Interior Designers work with you to realize the home of your dreams. We work with different styles - Classical, Fusion, Modern, Industrial - to deliver a home you can be proud of.

### EXECUTION

We build and execute home interiors to perfection. From fabulous false ceilings, glamorous kitchens, stunning wardrobes to luxurious sofas. Our team of craftsmen and supervisors transform dreams into reality.

### VISUALISATION

Imagine your home before you even step in! We create stunning interior concepts in 3D,

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3. Registration: Design a Registration page for new Employees inside the page where the new employees have options to register by providing their basic details.
  - a. Ids: Refer to the screenshot below for the id details.
  - b. Routing URL: <http://localhost:-----/RegistrationPage.aspx>
  - c. Output screenshot:



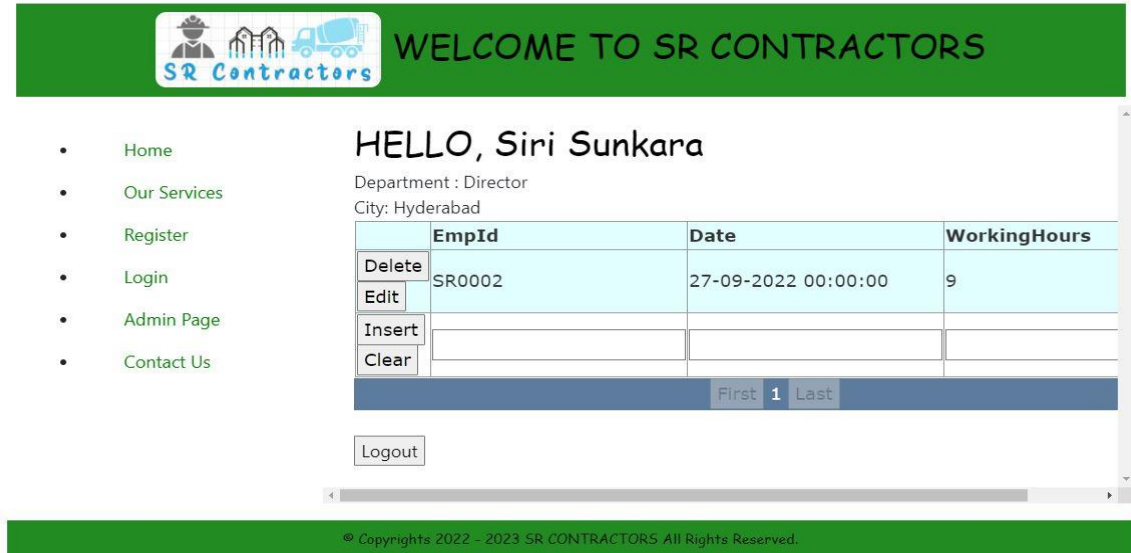
## WELCOME TO SR CONTRACTORS

- Home
- Our Services
- Register
- Login
- Admin Page
- Contact Us

Enter EmpId	<input type="text"/>
Enter First Name	<input type="text"/>
Enter Last Name	<input type="text"/>
Enter Department	<input type="text"/>
Enter Date of Joining	<input type="text" value="dd-mm-yyyy"/> 
Enter Age	<input type="text"/>
Enter Gender	<input type="radio"/> Male <input type="radio"/> Female
Enter Phone No	<input type="text"/>
Enter Address	<input type="text"/>
Enter City	<input type="text" value="Hyderabad"/>
Enter Country	<input type="text"/>
Enter Email ID	<input type="text"/>

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4. Login: Design a Login page for Employees to login into the page where the employees have to fill the timesheet based on their work they need to update working hours every day.
  - a. Ids: Refer to the screenshot below for the id details.
  - b. Routing URL: <http://localhost:-----/LoginPage.aspx>
  - c. Output screenshot:



SR Contractors

WELCOME TO SR CONTRACTORS

- Home
- Our Services
- Register
- Login
- Admin Page
- Contact Us

HELLO, Siri Sunkara

Department : Director  
City: Hyderabad

	EmpId	Date	WorkingHours
Delete	SR0002	27-09-2022 00:00:00	9
Edit			
Insert			
Clear			

First 1 Last

Logout

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5. Admin: Design a Admin page for storing the employee full details in the database. If there is any update of employee details only admin have access to update it.
  - a. Ids: Refer to the screenshot below for the id details.
  - b. Routing URL: <http://localhost:-----/AdminPage.aspx>
  - c. Output screenshot:



# Office Management System



List of Employees TimeSheet

	EmpId	FirstName	LastName	Department	DateofJoining	Age	Gender	PhoneNo	Address	City	County	
Delete Edit	SR0001	Ravi	Teja	Managing Director	03-11-2001 00:00:00	27	Male	9547862103	Hyderabad	Hyderabad	India	ravitej
Delete Edit	SR0002	Siri	Sunkara	Director	17-07-2002 00:00:00	26	Female	8547961203	Hyderabad	Hyderabad	India	siri@g
Delete Edit	SR0003	Raji	G	Finance	09-07-2014 00:00:00	44	Female	7361256952	Hyderabad	Hyderabad	India	raji@g
Delete Edit	SR0014	Koti	G	Marketing	10-02-2016 00:00:00	45	Male	6923145622	Vijayawada	Hyderabad	India	koti@g
Delete Edit	SR0026	Hari	Ram	Hr	09-06-2021 00:00:00	36	Male	9785231649	SilkBoard	Bangalore	India	hari@g
Delete Edit	SR0036	Sangai	Dev	Design	04-07-2012 00:00:00	45	Male	6987452136	Pune	Pune	India	sanai@g
Delete Edit	SR0044	Revanth	G	Marketing	11-04-2019 00:00:00	24	Male	8754962100	Vijayawada	Hyderabad	India	revant
Delete Edit	SR0050	Vara	P	Design	11-02-2022 00:00:00	30	Female	9123456789	Delhi	Delhi	India	vara@g
Delete Edit	SR0088	Chintu	P	Hr	01-08-2020 00:00:00	28	Male	9134762158	Pune	Pune	India	chintu
Delete Edit	SR0094	Rajesh	K	Marketing	10-04-2020 00:00:00	30	Male	9423615763	Ongole	Bangalore	India	rajesh
Insert Clear												

First Previous Next Last

Logout

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List of Employees TimeSheet

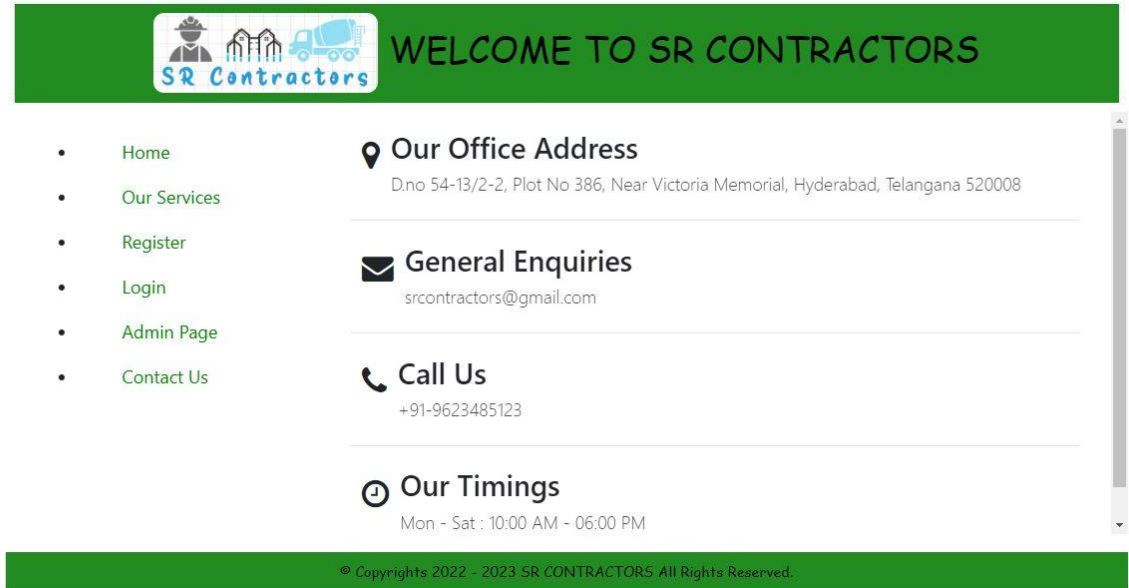
	EmpId	Date	WorkingHours
Delete Edit	SR0014	28-09-2022 00:00:00	8
Delete Edit	SR1234	28-09-2022 00:00:00	6
Delete Edit	SR2316	28-09-2022 00:00:00	6
Delete Edit	SR2365	28-09-2022 00:00:00	8
Delete Edit	SR0001	27-09-2022 00:00:00	4
Delete Edit	SR0002	27-09-2022 00:00:00	9
Delete Edit	SR0003	28-09-2022 00:00:00	8
Delete Edit	SR0050	28-09-2022 00:00:00	7
Delete Edit	SR0088	28-09-2022 00:00:00	9
Delete Edit	SR0094	28-09-2022 00:00:00	9
Insert Clear			

First Previous Next Last

Logout

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6. Contact Us: Design a Contact Us page for new Employees inside the page where the contact details of the company will be displayed.
  - a. Ids: Refer to the screenshot below for the id details.
  - b. Routing URL: <http://localhost:-----/ContactUs.aspx>
  - c. Output screenshot:



## BACKEND

### Class and Method description:

#### Model Layer:

1. **User Model:** This class stores the admin and all employee details.

a. Attributes:

- i. EmpId: String
- ii. FirstName: String
- iii. LastName: String
- iv. Department: String
- v. DateofJoining: String
- vi. Age: String
- vii. Gender: String
- viii. PhoneNo: String
- ix. Address: String
- x. City: String
- xi. Country: String
- xii. EmailId: String
- xiii. Password: String

2. **Registration Model:** This class takes the Below information

a. Attributes:

- i. EmpId: String
- ii. FirstName: String
- iii. LastName: String
- iv. Department: String
- v. DateofJoining: String
- vi. Age: String
- vii. Gender: String

- viii. PhoneNo: String
- ix. Address: String
- x. City: String
- xi. Country: String
- xii. EmailId: String
- xiii. Password: String

The above Information will be stores in the DataBase.

3. **Login Model:** This class contains the EmpId and Password of the Employee.
  - a. Attributes:
    - i. EmpId: String
    - ii. Password: String
4. **Admin Model:** This class stores the details of the mobile.
  - a. Attributes:
    - i. EmpId: String
    - ii. Password: String

## **Controller Layer:**

1. **Controller:** This class control the Login /admin Signin and Logout
  - a. Methods:
    - i. Login Page (Login Model data): This method helps to check whether the Employee present or not and check the EmpId and Password are correct and return the value.
    - ii. Admin Page (Admin Model data): This method helps to check whether the admin present or not and check the EmpId and Password are correct andreturn the value.
    - iii. Save Login (User Model user): This method helps to save the user data in thedatabase.
    - iv. Save Admin (User Model user): This method helps to

save the admin data in the database.

**2. Registration Controller:** This class control the Registration Page

a. Methods:

- i. New Employees Data Registration: This method helps the user to register to the portal.
- ii. Save Employees Data: This method helps to the save the user data in the DataBase.

**3. Login Controller:** This class control the Login Page

a. Methods:

- i. Login Page: This method helps the user to Login to the Company portal.
- ii. Time Sheet: This method helps the user data to upload the total working hours on that day and it will store in the DataBase.

**4. Admin Controller:** This class control the Admin Page

a. Methods:

- i. Admin Page: This method helps the Admin user to Login to the Admin Page.
- ii. Update Method: This method helps the admin to update the details of the Employee and save it again in the database.
- iii. Delete Method: This method helps the admin to delete an Employee and as well as save it in the database.
- iv. Insert Method: This method helps the admin to Insert the data of an Employee and as well as save it in the database.