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### **OVERVIEW:**

This application will help to build hostel management to manage member's data & activities.

### **SPECIFICATIONS:**

<b>Title of the Project</b>	<b>Pension Management System</b>
<b>Software Requirements</b>	<b>Operating System:</b> Windows 10 or 11 <b>Database Server:</b> Microsoft SQL Server 2019 Express edition <b>Client:</b> Microsoft edge, Chrome, Firefox, <b>Tools:</b> Microsoft Visual Studio 2019, .Net framework 4.8 <b>Frontend:</b> HTML, CSS, ASP.NET, Bootstrap <b>Backend:</b> C#, ADO.NET
<b>Hardware Requirements</b>	<b>Processor:</b> Intel core i3 or more <b>Ram:</b> 4 GB Ram or more

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

1. Admin
2. Member

### **ABSTRACT:**

This project is developed for managing various activities in the hostel. For the past few years, the number of education institutions is increasing rapidly. Thereby the numbers of hostels are also increasing for the accommodation of the students studying in those institutions. And hence there is a lot of strain on the person who are running the hostel and software's are not usually used in this context. This particular project deals with the problems on managing a hostel and avoids the problems which occur when carried manually.

### **MODULES:**

1. Registration Module.
2. User Login Module.
3. Admin Login Module.
4. Payment Balance Module.
5. Facilities & Contact Us Module.

### **Technology Stack:**

Front End	ASP.Net
Server Side	C#
Database	MySQL

### **Application assumptions:**

1. The login page should be the first page rendered when the application loads.
2. Unless logged into the system, the user cannot navigate to any other pages.
3. Logging out must again redirect to the login page.
4. To navigate to the admin side, you can store a user type as admin in the database with a username and password as admin.
5. Use admin credentials to navigate to the admin dashboard.

## **BACKEND:**

**Users Model:** This class will store the admin and all member's details.

- Attributes:
  - Full Name: String
  - Parent Name: String
  - Gender: String
  - Age: Int
  - Email: String
  - Mobile: String
  - Address: String
  - Room No: Int
  - Password: String
  - Balance: String

**Home Module:** Once we click on home module, we can view some information about hostel and we can able to view other modules.

**1.Registration Module:** New Member can register by entering the details in required fields. Once he clicks on register the data will be stored in database and it will redirect to Login Page.

- Attributes:
  - Full Name: String
  - Parent Name: String
  - Gender: String
  - Age: Int
  - Email: String

- Mobile: String
- Address: String
- Room No: String
- Password: String
- Balance: String

**2.Login Module:** Once user enter details in required fields, it redirect to Welcome page where user can view his details along with payment balance.

- Attributes:
  - Full Name: String
  - Password: String

**3.Admin Module:** Admin can only login into this module where he can view all detailed list of members in hostel and he can modify, delete and insert unregistered/new member details.

- Attributes:
  - Full Name: String
  - Password: String

**4.Payment Module:** User can view his/her details along with payment balance.

**5.Facilities & Contact Us Module:** Here user can view all the facilities provided by hostel management and they can view contact details in Contact Us Module.

## **FRONTEND:**

- i. **Home Module:** Once we click on home module, we can view some information about hostel and we can able to view other modules.

Routing URL: <http://localhost:11674/Home.aspx>


Output Screenshot:



- ii. **Register Module:** Once we click on Register Module, where the new member has options to register by providing their basic details.

Routing URL: <http://localhost:11674/Register.aspx>

Output Screenshot:



# STAR HOSTEL

- [Home](#)
- [Register](#)
- [Login](#)
- [Admin](#)
- [Facilities](#)
- [Contact Us](#)

Full Name

Parent Name

Gender ☐ Male ☐ Female

Age

Email

Mobile No

Address

RoomNo

Password

Balance

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iii. **Login Module:** Once new member got registered with the details it will be saved in database and page redirect to login page.

If user clicked on New User Sign Up, page will redirect to Register Page.

Once user login with credentials it will redirect to welcome page where they can view details along with payment balance.

Routing URL: <http://localhost:11674/Login.aspx>

Output Screenshots:



**STAR HOSTEL**

- [Home](#)
- [Register](#)
- [Login](#)
- [Admin](#)
- [Facilities](#)
- [Contact Us](#)


FullName

Password

[SignIn](#)

[New User SignUp](#)

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**STAR HOSTEL**

- [Home](#)
- [Register](#)
- [Login](#)
- [Admin](#)
- [Facilities](#)
- [Contact Us](#)

## Hello Sampath

Mobile Number: 7800120011

Address : Vizag

RoomNo: 104

**Balance : 1500**

[Logout](#)

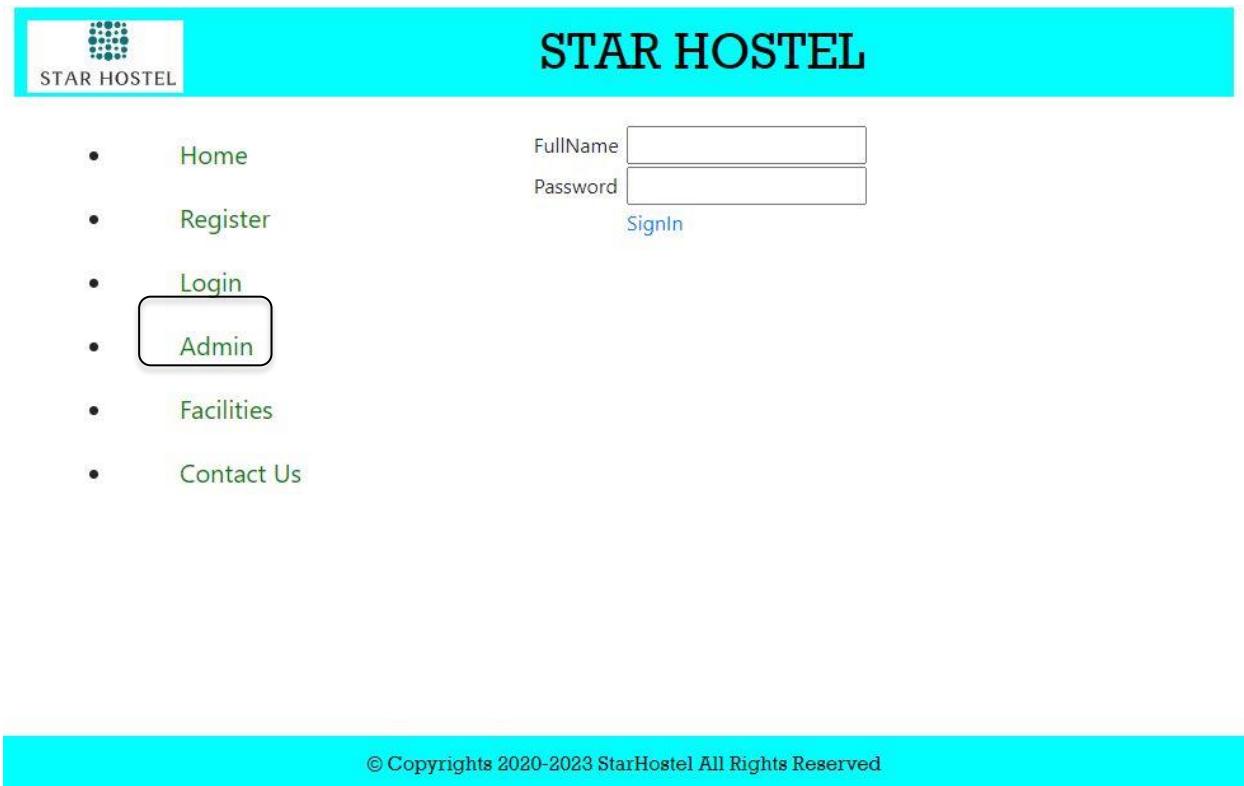
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If user click on Logout it will redirect to Login Page.

- iv. **Admin Module:** Once admin login with his credentials he can able to view detailed list of members along with that we can also modify, delete records and can able to insert new member details.

Routing URL: <http://localhost:11674/Admin.aspx>

Output Screenshots:



The screenshot displays the STAR HOSTEL website interface. At the top, there is a blue header bar. On the left side of the header, there is a logo consisting of a grid of dots forming a star shape, with the text "STAR HOSTEL" below it. On the right side of the header, the text "STAR HOSTEL" is displayed in a large, bold, black font. Below the header, there is a navigation menu on the left side with the following items: Home, Register, Login, Admin, Facilities, and Contact Us. The "Admin" item is highlighted with a blue border. To the right of the navigation menu, there is a login form with two input fields: "FullName" and "Password". Below the "Password" field, there is a blue link labeled "SignIn". At the bottom of the page, there is a blue footer bar with the text "© Copyrights 2020-2023 StarHostel All Rights Reserved".

## Hostel Management System


STAR HOSTEL									
	UserId	FullName	ParentName	Gender	Age	Email	Mobile	Address	RoomNo
Delete Edit	1	Amar	Mahesh	Male	33	amar@gmail.com	9513246871	Mumbai	101
Delete Edit	2	Suresh	Ramu	Male	20	suresh@gmail.com	9845673102	Secunderabad	105
Delete Edit	3	Sai	Ramesh	Male	29	saii@gmail.com	965784301	Mumbai	105
Delete Edit	4	Somu	Momu	Male	27	somu@gmail.com	9631578409	Kolkata	106
Delete Edit	6	Ravi	Koteswar	Male	34	ravi@gmail.com	9437612089	Bhopal	102
Delete Edit	8	Raviteja G	Koteswara Rao	Male	27	ravi@gmail.com	9658432675	Vijayawada	109
Delete Edit	9	Zameer	Ali	Male	35	zameer@gmail.com	8697884005	Gujarat	110
Delete Edit	10	Sravan	Sukumar	Male	35	sravan@gmail.com	6451298730	Hyderabad	110
Delete Edit	11	subbu	shankar	Male	18	subbu@gmail.com	7854120369	Vizag	110
Delete Edit	12	Mahesh	Suresh	Male	19	mahesh@gmail.com	9234567890	Mumbai	101
Insert Clear									
First Previous Next Last									
Logout									

Once clicked on Logout it will redirect to Admin Login Page.

- v. **Facilities:** In facilities module user can view all the detailed facilities provided by Hostel Management.

Routing URL: <http://localhost:11674/Facility.aspx>

Output Screenshot:



STAR HOSTEL

## STAR HOSTEL

- Home
- Register
- Login
- Admin
- Facilities**
- Contact Us

**Facilities:**

Pure, safe & cool Mineral water is produced and served through water cooler.

Nutritious, hygienic and delicious vegetarian and non-vegetarian Homely Food provided..

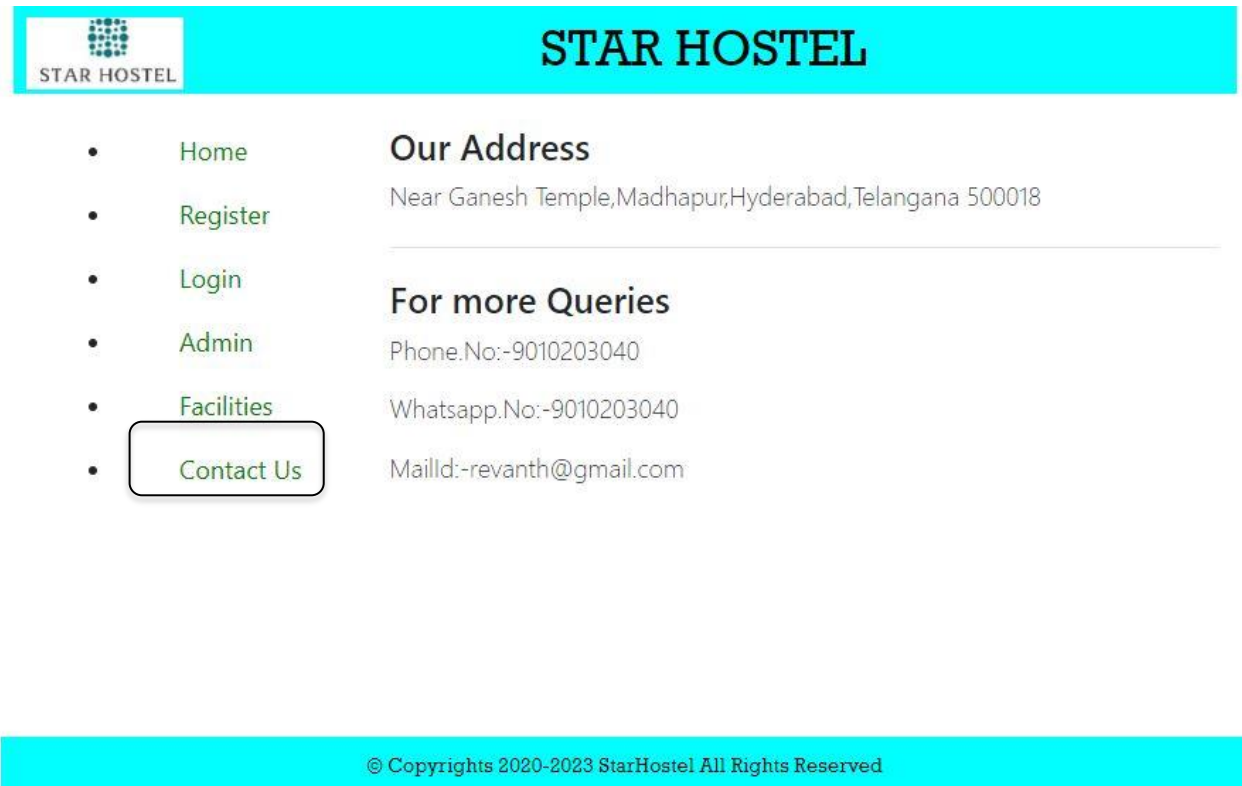
Uninterrupted Power Supply & WIFI

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- vi. **Contact Us:** In this module user can view Contact details of Hostel Management.

Routing URL: <http://localhost:11674/Contact Us.aspx>

Output Screenshot:



## **Controller Layer:**

### **1.Admin Controller:**

- Methods:
  - Add member: This method used to add new member into list
  - Edit member: This method used to edit details of existing member
  - Delete member: This method used to delete an existing member

### **2.User Controller:**

- Once user login with his credentials, page redirect to welcome page, here he can able to view his details along with payment balance and once he clicks on logout it will redirect to login page.