**MEETING ROOM BOOKING**

**Description:**

Whenever user enroll for registration, we will validate all the mandatory fields and if registration is successful user redirect to login page and then to booking page there will booking for meeting rooms.

**HOME PAGE**

* Signup
* Signin
* View Calendar
* View Bookings

**REGISTRATION FORM**

1. On successful registration will redirect to login page

|  |
| --- |
| **Field Name** |
| Name |
| Phone Number |
| password |
| Mail-id /username |

1. Necessary validations of all fields.

**LOGIN FORM**

1. Will have below fields--à

|  |
| --- |
| **Field Name** |
| Username |
| Password |

1. On successful login will redirect to room booking page.
2. Necessary validations of all fields.

**FORGOT PASSWORD FORM**

1. Will have below fields--à

|  |
| --- |
| **Field Name** |
| Email |
| New Password |
| Confirm Password |

1. On successful password changed will click to Login page.
2. Necessary validations of all fields.

**ROOM BOOKING**

1. Will have below fields--à

|  |
| --- |
| **Field Name** |
| Name |
| StartDate |
| End Date |
| Start Time |
| End Time |
| No of persons |
| Allocated room |
| Contact Number |
|  |

1. Necessary validations of all fields.

**FLOW CHART:**

Diagram

Description automatically generated

On successful registration

Diagram

Description automatically generated

On successful login

**Requirements:**

1. First design Html page.
2. Storing and retrieving data from arrays.
3. Based on availability allocating rooms.

**Validations:**

1.Username should contain only letters

2.Password should in between 8 and 16 length and contains digits or letters

3.Phone should contain 10 digits only

4.If email is invalid then it’s shows appropriate message.

5. If any of the field left empty then it shows the corresponding message.

**TEST CASES:**

1. If user not registered then redirects to register page

2.For duplication here we are using mail id

3.if mail id already exists ‘**it showing user already registered’**

4.if user successfully registered then redirects to login page

5.if user forgot the password, he/she can reset the password

6.if user successfully changed password, then click on login page link

7.if user successfully login, then redirects to booking page

8.In booking room page, user can book the meeting room based on no of persons. And requirements are as below-

**BOOKING PAGE:**

1. No. of persons <=2 or No. of persons==3 to display room Name like C-cave

2. No. of persons ==7 or (No. of persons>3 and no. of persons<7) and to display room Name like D-Tower

3. No. of persons >7 and no. of persons <20) or No. of persons==20 to display room Name like G-Mansion

4. On successful room booking person is allocated with suitable room

5.  Bookings can be only made for 2 or more people and up to a maximum of 20 people. If the person capacity for booking is outside of 2-20 range, NO\_VACANT\_ROOM should be printed.

6. Time input should follow HH:MM format (24 hours format). If an incorrect time input is provided, then INCORRECT\_INPUT should be printed.

7. The most optimal room which can accommodate the number of people will be allocated. For e.g., if you asked for a 4-person capacity requirement then the D-Tower (7-person capacity) will be allocated,

**COMPLEXITY:**

1.calender view for booking meeting rooms

2.without using any database

**Modules Assignation:**

1. Registration , Login , Calendar--------->Aishwarya, Padmavathi
2. Forgot password Page-------------->Padmavathi
3. Booking Page---------------------->Aishwarya, Padmavathi, Manikanta
4. view bookings--------->Decca Raju, Manikanta
5. Home Page ------🡪 Decca Raju