Functional Requirement Specification(FRS) for

\*\* Meeting Room Management \*\*

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Version 1.0

Created by Mezbah

Documents Revisions

| Date | Version | Document Changes |
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| 25/11/2024 | 1.0 | Initial Draft |
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Approvals

| Role | Name | Remarks |
| --- | --- | --- |
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1. Introduction

1.1 Project Summary

1.1.1 Purpose:

Manage meeting room booking through the web application.

Users can see the available rooms and times. Authorized users can request a booking for a single room at a time.

The admin will create or update(CRUD) meeting rooms, and accept or reject the bookings.

1.1.2 Background

OnnoRokom Group has several meeting rooms. But the allocation process is manual thus there can be conflict. We are developing a system so that meeting room allocation can be made through online and it will be considered as a first come first serve basis.

1.2 Project Scope:

It’ll simplify the allocation of meeting rooms. Thus, A user can not book two rooms for the same time period. Admin and user will get notifications.

It will avoid any controversy.

1.2.1 In Scope Functionality:

1. User Registration
2. Validating the email ID when sign-in (User and Admin both)
3. Rooms creation(CRUD ops made by admin)
4. **Rooms views and requests for booking(**User and Admin both)
5. Users can cancel a booking request.
6. Users can edit/update a booking request.
7. Prevent booking for the same period.
8. Booking time is not exceeded. (ex. 4 hours)

1.2.2 Out-of-Scope Functionality

1. Admin can not make an admin.

2. Admin can not remove a user.

3. There is no two-factor authentication.

4. Users can not leave any message to the admin(as well as the admin also)

1.2.3 References:

<https://www.geeksforgeeks.org/difference-between-srs-and-frs/>

<https://youtu.be/zcKhTSgBgb0?si=Ul0uauzw5rLofFab>

[https://youtu.be/dSTY9yUmA1g?si=xRD sNnRissKLyNB](https://youtu.be/dSTY9yUmA1g?si=xRDBsNnRissKLyNB)

<https://shorturl.at/3uuML>(Linkedin Community)

2. Functional Requirements:

Registration and Sign-in button above the Homepage.

After the sign-in, the session will be started and the user can submit a booking request. The admin can add, edit, update and delete rooms.

2.1 User Module

2.1.1 Authentication

**Registration Form:**

Successfully registered users will be redirected to the sign in page.

Some fields are required. If not filled in those fields or unsatisfied validations, Model State will not be true, and the [HttpPost] method will not trigger.

Exception: In case, the email is already registered.

User will get an error alert(“Email Already Registered!”)

**Sign-in Form:**

If the email address and the password is valid then users will be redirected to HomePage and session will be started.

Exception: In case, the email and password or only email

is not valid then ask the user to create an account.

In case, the password is not valid but email is valid

then ask the user to click on the forget password.

2.1.2 Room Views

After Authentication, users can view the rooms, capacity, facilities, available time corresponding to the selected room.

2.1.4 Room Booking

After selecting a date showing the available time.

Button [Confirm your Booking]

Exception: If the user has a booking for the same day and time.

The Button will not Trigger.

alert(“Select for another time”).

Exception: If the participant is less than two or more than six

The Button will not Trigger.

alert(“Select for another room”).

2.2 Admin Module:

2.2.1 Authentication

Authentication is the same as the user(Role is different)

2.2.2 Manage Room

CRUD Operations Over Rooms

2.2.3 Manage Bookings

Notification will come to the dashboard.

Notification

| Mr. Ahmed want to book room\_101 for 30/11/2024 10.00-12.00 | [Accept Button] | [Reject Button] |
| --- | --- | --- |

Whether the admin accepts or rejects a request, the corresponding User will get a notification in the dashboard.

- Mezbahul Islam