**Software Requirement Specification(SRS)**

**\*\* Meeting Room Management \*\***

1. Introduction

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 only at a time. The admin will create and update meeting rooms.

Admin accepts or rejects the bookings. Admin and user will get notifications.

1.2 Intended Audiences:

(Admin) on behalf of OnnoRokom Group.

(End User) Clients.

1.3 Scope:

It’ll simplify the allocation of meeting rooms. Thus, A user can not book two rooms at the same time. It will avoid any controversy.

1.4 Definitions:

SRS = Software Requirement Specification

1.5 References:

[Software Requirement Specification (SRS) Format - GeeksforGeeks](https://www.geeksforgeeks.org/software-requirement-specification-srs-format/)

https://youtu.be/83-S5Qu6VP8?si=UMIJQvGpg-axFITA

2. Overall Description

2.1 User Interface:

Admin Log-in Credentials will be provided.

Admin UI

CRUD Operations:

Meeting Rooms:

Capacities:

Facilities:

Booking Fees:

Available Time Slots:

Admin will get a booking notification. Admin can approve or reject the booking request. (Notify in the user dashboard)

User UI

Authorized users: will see the booking page and booking history and notifications if any.

Anonymous users: when a user attempts to book, it will be redirected to the sign-in page.

Display a DropDown (Meeting Rooms specified with size).

When the user selects a room:

Display Facilities and Fees corresponding to the room.

Satisfied Client will press the [Book your Room] Button:

Display a calendar and Drop Down List of the available time slots corresponding to that date.

OR

Display a calendar and manual entry booking time (Not exceed the limit ex. 4 hours).

Finally, Confirm Booking Button:[Confirm Your Booking]

Alert Message: Wait for Confirmation “Thank you”.

2.2 System Interfaces:

We will use C# version 10 and ASP.NET core version 8 and follow the MVC pattern in a layered architecture.

1. Data Access Layer (Repository Design Pattern)
2. Business Logic Layer (Services)
3. Presentation Layer (In this case we will use Razor Views and Bootstrap and Ajax for UI interaction.)

3. System Features and requirements

3.1 Functional Requirement:

Sign-up and Sign-in button above the Index page.

After the sign-in, the session will be started and the client can submit a booking request.

3.2 Use Cases:

Meeting room allocation as per client request.

3.3 External Interface Requirements:

No external interface is needed.

3.4 Logical Database Requirements:

We will use MSSQL Server(SQL SERVER 2022)

3.5 Nonfunctional Requirement:

We will validate the Create and Update form for Admin CRUD.

We will remotely validate the user email so that a user cannot book two meeting rooms for the same period.

- Mezbahul Islam