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10. **Introduction**

Room Booking Mobile Application is a modern digital booking system that enables Teachers, Pedagogical Counsellors as well as other Staff members in CEGEP’s Montreal campus to book a room either for an exam or a meeting. Room Booking Application is essential in an office environment because scheduling the shared spaces in a busy office can be a challenge. So this application is specially designed for the purpose of self-service booking. This application is an easy-to-use room booking tool with a simple and organized overview of the availability of the rooms to prevent miscommunication and scheduling conflicts.

* 1. **Purpose**

The main purpose of this application is to make it easy for users to find a perfect room for upcoming meetings or for exams based on it’s capacity, amenities like hardware equipment and software equipment. This application improves the utilization of rooms with a hassle-free environment and also provides the platform for flexible room management.

* 1. **Scope**

1. The mobile application that we will design will be identified by the name *Room Booking Application*.
2. The objective of this application is to provide a better place to manage the rooms and utilize the room space effectively.
3. Teachers, Pedagogical Counsellors and other staff members in CEGEP’s Montreal campus will be able to use this application to book a room either for an exam or for a meeting.
4. This app is available on the mobile devices that run on Android OS.
5. Features that will be implemented in this application:

* This application will list all the available rooms, to the user.
* Users will book a room for an exam or for a meeting with just 2 clicks of a button.
* Users will see the capacity of the available rooms listed to them.
* Users will see the software equipment and hardware equipment in each available room.
* Users will be able to cancel the booked room.

1. Future Scope of this application:

* This application can allow users to report faulty equipment in the booked room.
* Users can customise the meeting by requesting for additional equipment, users can name their meeting.
* Admins of the application can add feedback options and get feedback from users after they utilize the room space. It will allow admins to manage the room space better.
* Users can send invitations to students or other colleagues to attend the exam or meeting.
* Users can get reminder notifications before the meeting.
* The rooms booked by the users can be cancelled automatically if they didn’t check-in within the timeframe.To do this we can set up a QR code scanner which will allow users to check-in into their booked room by scanning in their mobile.

1. **General Description**

Room Booking App is a modern digital booking system designed for managing, booking exam rooms and conference rooms in CEGEP montreal campus. Smart technology enables effective management and planning of college meetings, makes college processes simpler and helps to use company space in a better way. Colleges are often facing problems with availability of meeting rooms; either they have to deal with overbooked rooms or unused spaces. This can cause confusion and lost time. Thanks to this application you will have an instant overview of the availability of a particular room – simple, easy and stress-free. Users can book a meeting directly on their mobile on their way to work. It takes just a tap or two. All information about rooms availability, booked rooms are centralized and digitized.

* 1. **Product Functions**

\*\*\*To be Done\*\*\*

* 1. **User Characteristics**

\*\*\*To be Done\*\*\*

1. **Specific Requirements**

\*\*\*To be Done\*\*\*

* 1. **Functional Requirements**

\*\*\*To be Done\*\*\*

**3.2 Non-Functional Requirements**

\*\*\*To be Done\*\*\*

1. **Analysis Models**

\*\*\*To be Done\*\*\*

**Use case Diagram**

\*\*\*To be Done\*\*\*

**Class Diagram**

\*\*\*To be Done\*\*\*

* 1. **Use case Diagram**

\*\*\*To be Done\*\*\*

* 1. **Class Diagram**

\*\*\*To be Done\*\*\*

1. **Screens**

**Screen flow diagram**

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**Screen Design**

\*\*\*To be Done\*\*\*

1. **Database (ERD)**

\*\*\*To be Done\*\*\*

**ERD Diagram**

\*\*\*To be Done\*\*\*

* 1. **Database Schema**

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| \*\*\*To be Done\*\*\* |

1. **Web Calls**

\*\*\*To be Done\*\*\*

**Login**

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1. **References**

\*\*\*To be Done\*\*\*

1. **Glossary**

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\*\*\*To be Done\*\*\*