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10. **Introduction**

\*\*To be done\*\*

* 1. **Purpose**

\*\*To be done\*\*

* 1. **Scope**

\*\*To be done\*\*

1. **General Description**

\*\*To be done\*\*

* 1. **Product Functions**

\*\*To be done\*\*

* 1. **User Characteristics**

\*\*To be done\*\*

1. **Specific Requirements**

The requirements of this mobile application outlines the needs of the users who will use this app. It compiles all the below-listed functional and non-functional requirements and becomes the base reference document for our entire development team.

These requirements list out the technical specifications, and the list of assets(hardware, Third-party softwares) connected with the app.

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* 1. **Functional Requirements**

Functional requirements specify a function that this application must be able to perform. It can be documented in various ways. It may be Technical details, Data processing and Other specific functionality.

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| **Requirement ID** | **Requirement Statement** | **MUST/SHOULD/COULD/WOULD** | **Comments** |
| FR1 | The application shall have a login screen as a home page. | MUST | The system shall verify the credentials with the database. |
| FR2 | The application shall have a registration page, where the user/staff can enter the details. | MUST | The system shall save the data within the database. |
| FR3 | The Users/staff shall be able to edit/update their profile details. | COULD | The system shall update the profile details of the user in the database. |
| FR4 | The application allows the admin/user to view the list of available rooms. | MUST | The system shall fetch the data of rooms available from the database. |
| FR5 | Users can book a room based on purpose of booking, capacity, hardware/ software requirements. | MUST | The system shall book a room according to the user requirement. |
| FR6 | Users can see their booked rooms, date and duration of exam or meeting. | MUST | The system shall fetch the booked rooms by the user from the database. |
| FR7 | Users can cancel the rooms that are already booked by them. | MUST | The system shall update the room details once the room is cancelled by the booked user. |
| FR8 | The User shall have the option of Log out. | MUST | The system shall log out the user from the application. |
| FR9 | The application allows the admin to add the rooms, hardware/software equipment. | MUST | The system shall add rooms, hardware/software equipment in the database. |
| FR10 | The application allows admin to cancel room booking. | MUST | The system shall cancel room booking and update it’s details in the database. |
| FR11 | Admin can edit/update the room details (Room number, Room capacity, Hardware equipment, Software equipment). | MUST | The system shall update the room details in the database. |
| FR12 | Admin can view the booked rooms. | SHOULD | The system shall fetch the details of all booked rooms from the database. |
| FR13 | Admin can view the list of all the rooms(both available & booked rooms). | SHOULD | The system shall fetch the details of all rooms from the database. |
| FR14 | Allow admin to delete the rooms from the app. | MUST | The system shall delete the room details from the database. |
| FR15 | Users can View the date of the meeting or exam. | SHOULD | The system shall display the date for the booked room. |

**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**

\*\*To be done\*\*

**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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