NAME – INDRANIL BAIN

SUBJECT – SOFTWARE ENGINEERING LAB GROUP – GX (No. 6)

ROLL NO. – 2020CSB039

ASSIGNMENT 5 – SRS Document of Hostel Warden Management System

Introduction:

The Hostel Warden Management System is a web-based application that is designed to simplify the management of hostel facilities by automating various administrative and managerial tasks. The system is intended to be used by hostel wardens to manage the allocation of rooms, manage student records, and track the use of hostel facilities.

Scope:

The Hostel Warden Management System will be designed to provide a centralized system for managing hostel facilities. The system will include the following functionalities:

1. **Student records management:**
   The system will allow wardens to manage student records, including personal information, contact details, and academic information.

2. **Room allocation management:**
   The system will enable wardens to allocate rooms to students based on availability and eligibility criteria.

3. **Attendance tracking:**
   The system will allow wardens to track student attendance in hostel facilities, including the mess, gym, and common areas.

4. **Complaint management:**
   The system will enable students to file complaints, and wardens to manage and resolve them in a timely and effective manner.

5. **Reporting :**
   The system will generate reports on various aspects of hostel management, including student occupancy, room allocation, and facility usage.

Functional Requirements:

User management:

The system will provide user authentication and authorization, allowing wardens and administrators to access the system with appropriate permissions.

Student records management:

The system will allow wardens to manage student records, including personal information, contact details, and academic information.

Room allocation management:

The system will enable wardens to allocate rooms to students based on availability and eligibility criteria.

Attendance tracking:

The system will allow wardens to track student attendance in hostel facilities, including the mess, gym, and common areas.

Complaint management:

The system will allow students to file complaints, and wardens to manage and resolve them in a timely and effective manner.
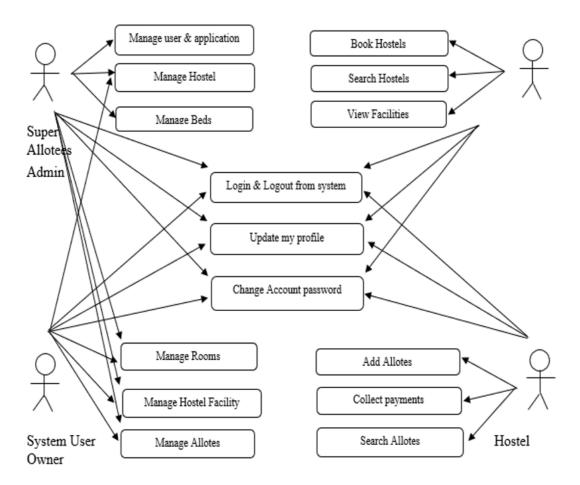
Reporting:

The system will generate reports on various aspects of hostel management, including student occupancy, room allocation, and facility usage.

Some Non functional Requirements are:

1. Usability
2. Performance
3. Security
4. Accessibility

Use Case Diagram :

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