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| File:COMSATS new logo.jpg - Wikimedia Commons  OBJECT ORIENTED PROGRAMMING  *Project Proposal*  *Hostel Management System* | **submitted by:**  **Shahzaneer Ahmed**  **registration number:**  **sp21-bcs-087**  **submitted to:**  **mA’M sANEEHA aMIR**  **date of submission:**  **May 31, 2022** |

Project Overview

Hostel Management System is OOP based Java Management System that uses File Handling for storing Data and Java Swing for the Graphical User Interface and implements the CRUD operations as well as Searching of Data regarding different Aspects.

It helps in facilitating admin to keep the record in a simple yet fruitful manner to draw meaning insights for their business.

It aids the users by providing them a portal where they can update their information and can see the status of their bills, mess and laundry etc.

1. Admin
2. Hostelite Profile
3. Mess Management
4. Laundry Management
5. Room Management
6. Complaints Panel
7. Bills and Resource Insights

PURPOSE

Hostel Management System is an effort to automate the traditional managing of hostels in terms of record keeping of hostellites, updating their information , deleting record of particular individual, searching information based on different facts.

MODULES

1. **Admin:**

Admin is a person that can access all the information , add a new member to hostel , manipulate their information and search by different aspects.

1. **Hostelite Profile:**

This is the User portal where they can update some of their information like contact and can add laundry, parking and mess services. They can even check and generate their bills and dues also.

1. **Mess Management:**

Mess is mainly controlled by the admin who updates the users on mess menu , mess fee. Users can make their days off and can add guests in their portal.

1. **Laundry Management:**

It keeps a record of the Laundry of users to avoid any unfortunatehappening

1. **Room Allotment:**

It is mainly Controlled by admin and person for the choice of room allotment based on users’ preferences.

1. **Complain Panel:**

It helps us setting the complains and Suggestions to improve the quality of Hostel’s living standard.

1. **Bills and Resource Insights:**

* This will controlled by admin from where he can generate total bills and can get insights on the rooms and other resources of hostel

Technology and Tools:

* Java 10.0
* Visual Studio Code
* Java Swing API (Graphical user Interface)
* Strong Object oriented Programming Paradigm
* Git and GitHub (For Code management)