OVERALL DESCRIPTION:

Product Perspective:

* The Hostel Management System Software is a single functional unit consisting of various sub headings.
* The software allows the user to access the records of the hostellers for professional use.
* The software also helps to check the availability of the rooms.
* No such external hardware is required.
* The memory of the system shall be at least 1 GB.

Product Functions:

The product software has the following features:

* Room Availability: For a request to get a room in the hostel, the software , first and foremost checks the availability of the room. Through the programs defined , it allots the room only if an empty room is available otherwise gives a “No rooms “ message.
* Check-in: For a request to get a room in the hostel, given the rooms are empty and available, the user can log in the software by filling the necessary details and become the part of the hostel.
* Fetching Details of the user: The hostel authorities could fetch the details such as phone number, guardian’s contact number from the database created.

User Characteristics:

* User A: User A in an inexperienced user . However due to simple interface of the software , it will become easy for him/her to use the software. With the help of practical sessions either recorded or face to face, the user A can learn it very fast.
* User B: User B is an experienced user.Though he/she has good understanding of hoe to use the software , he/she could help others as well and infact, gain more knowledge from the practical sessions.
* Maintenance personnel: The IT department of the hostel is responsible for the maintenance and updation of the database.In case of any discrepancy,he/she has the right to ask for change in the features of the software and other repairs and updations.

Constraints:

* The software does not check the strength of the login password of the end user. Thus , it is less secure.
* The software only allows the allocation of the rooms to the people but cannot handle the transactions involved for the same i.e. the room can only be booked but cannot be bought.
* There is no provision of online mess booking, online leave book and other online transaction facilities.

Assumptions and Dependencies:

* One major dependency is that the project might face changes that needs to be incorporated with the system with changes in the hostel policies regarding different services.
* The database used is of the file system and is not very efficient. It can hold limited number of the hostellers only assuming that the capacity of the hostel is less.