

1. We intend to create a web application that is useful for every university: Student Housing Reservation System. It is supposed to have information about students, rooms, colleges and managers in the university. When login, the website will display available rooms and the students can choose rooms for themselves by entering their data(name, surname, matriculation number, etc) and special needs, if they have one. They can choose their roommate by entering his id and two students are connected together. The user can retrieve some information about different colleges, their managers information(contact number,...), and their own data.
3. The user can:
 - Update their information: name, studentID, matriculation number, gender, birthday nationality. This needs to be done before they can choose their room.
 - Choose special rooms, if they have special needs.
 - Choose their roommate by entering their roommate's studentID. If successful, they are paired together.
 - The website will display available rooms that they can choose from. If successful, a notification will be shown to the user and the room will be reserved and not available for the next user.
 - Find information about their rooms, their colleges and their managers contact information. If the query is successful, the website will display those information

Invalid input/action will not be considered. The students will be asked to enter the valid input again.

The ER diagram:

