

Assignment #1

CSC 343

SECTION NUMBER: 58273

GROUP #3

Student name	Student ID number
Reema Mohammed Almadhi	442200384
Waad Shuja Alrashidi	442202356
Shoug Sultan Alsaleem	443200641
Aliyah Aljarallah	443201214

1. Functional requirements:

Requirement	Description
Access requirements	The system requires existing users to enter their user ID and password before accessing any account functions.
Accommodation management	The system should facilitate the submission of accommodation booking requests by allowing students to input required information, including their name, student level, email address, preferred room type, and academic term.
Online payment feature	The system allows online payment by providing the feature of adding credit card information.
Complaint system	The system must have a feature for residents to submit their complaints, reporting maintenance issues by filling a form with room number and providing a description of the complaint. The system is required to maintain continuous operation, ensuring that downtime does not exceed two hours per month.
Administrator access	The system must allow the residence administrator to have access and view all accommodation requests, enabling them to review, approve, or reject applications and to view maintenance requests, respond to each complaint, and send confirmation emails for approved accommodation bookings.

2. Non-functional requirements:

Requirement	Description
Performance	The system should provide quick and effective user interactions, the response time should be within 200 milliseconds. In the case of a failure, the system must resume automatically in two minutes, with no more than two hours of downtime every month.
Security	The Student Accommodation Management System must have secure access, and in order to authenticate users, they must have an active user ID and password. It's important to properly control access rights while making a distinction between housing administration and students.
Availability	Students and resident administrators should have 24/7 access to the Student Accommodation Management System and Users must always be able to access the web portal to apply for accommodations.
User Interface and Technology Stack	The website needs to be easy to use and compatible with mobile and desktop browsers. The design of the site should make it simple for administrators and students to use.
Scalability	The system should accommodate the current 2000 students and be scalable for potential future increases in student population and performance shouldn't be sacrificed for the database to grow to handle more information and records.

3. Work distribution.

Task	Student/s
Non-functional requirements (1,2)	Reema Almadhi
Non-functional requirements (3,4)	Waad Alrashidi
Non-functional requirement (5)	Reema Almadhi, Waad Alrashidi
Functional requirements (1,2,3)	Shoug alsaleem
Functional requirements (4,5)	Aliyah Aljarallah
Pdf organization	Reema Almadhi