Criterion-A

Defining the problem

My uncle was starting a new hotel. It was going to be a small startup and he needed help with the data management of all the bookings. He was well aware that using a software will save him a ton of time so, he was on a hunt for software. As I wanted to pick up on a project for my IA, I contacted him and convinced him to give me the responsibility to make software for him. His construction and interior decoration will be done by 2021 December. So, I had plenty of time to develop it.

The rationale for the proposed product

I am going to develop a simple hotel management application. The client should be able to book in their customer and retrieve information regarding all the bookings and the rooms. Also, make accounts for different employees that will be using the software. For developing this application, the IDE, I was suggested by my CS teacher was NetBeans. As it primarily a Java-based IDE and we have been practicing our pseudo-code in Java so, it will be easy to work my way around it. For the database, I will be using SQLite as it functions within the app and is easy to impellent.

Stating success criteria

- Login system for each employee to log in with their credentials so, they have limited access.
- Also set up a module that helps reset the credentials using a secret question so, in case they forget their username and password.
- Module to display all the rooms available.
- Allow clients to enter booking of their customers.
- Module to add, edit and delete: room types, rooms, bookings, and employees.
- Module to set room status in-service or out of service.
- Module to let only admin accounts access admin options.
- Module to search for rooms available in a given span (so the rooms don't get booked for two customers on the same day)
- Print and save the booking and employee account records in Pdf and other formats for accounting purposes.