

Progress Report

Group 04

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Deliverable 1

Week 1:

- We had a focus setting meeting where we allocated different components of the project amongst ourselves.
- We held a meeting with the TA to clarify some concerns and doubts we had regarding the SRS template.
- We conducted preliminary research on the functionality required for implementing an efficient hotel management system.
- We spent the remaining week working on creating various use cases.
- Finally, we compiled everything in the SRS and worked on formatting the document.

Week 2

- Researched on the different web development stacks.
- Finalized: MySQL, Express.js, React, Node.js
- Watched YouTube tutorials to familiarize ourselves

Week 3 (Deliverable 2)

- Started working on login and signup use cases

- Explored different ways to ensure security while entering records into our database
- Finalized: bcrypt.js
- Worked on simple use cases such as Sign out, Update Password, Add Inventory, View Inventory, Update Inventory

Week 4 (Deliverable 3)

- Worked on 75% use cases for deliverable 3
- Started of with simple use cases such as Deleting Inventory, Hire Staff, Fire Staff, Setting room rates
- Moved on to more complicated use cases once we had achieved a familiarity over React and Express.
- Other use cases completed: view list of rooms, checking availability of a room, searching for a booking.
- We also explored how to allow only certain actors to be able to use certain functionality for e.g. only the manager and owner should be able to change/update staff schedule

Week 5,6

- Worked on use cases related to updates existing records
- Updating Staff Schedule, updating accounts information, updating a booking

Week 7

- Finishing up remaining use cases

- Worked on and completed make reservation and cancel reservation
- Worked on styling the website to make it more user friendly

Week 8

- Gathering information to seed into our database: customer data, staff data, room data, facilities available data etc
- We used the RandomUser API for customer information and staff information
- Finalizing the project and working on deployment
- Note: Since all our functionality was present on a single home page, we did not require a Search functionality for this.