

Project Plan - Hotel Reservation Program

Jules Torres, Megan Moore, Mario Bethancourt

CMSC 495

Section 7380

Group 8:

10/31/2023

Professor Hung Dao

Revision History

Date	Description	Author
10/25/2023	Created first draft of the project plan	Mario Bethancourt
10/30/2023	Updated project plan	Everyone (Mario, Jules, Megan)
10/31/2023	Final Revision	Everyone (Mario, Jules, Megan)
11/08/2023	Added revisions based on peer reviews.	Mario Bethancourt
12/04/2023	Software management Revision	Mario Bethancourt
12/09/2023	Made final updates	Mario Bethancourt

Project Plan

1. Requirement Specifications

Group 8's project is to develop a Hotel Reservation Program. The goal is to design a java application tool to manage hotel reservations. This program will serve guests by providing an efficient and user-friendly interface. Users will need to authenticate themselves using a login dialog to access the program, which will present them with a menu bar offering the following options:

- 1. Reserve a Room:**
 - Search for available rooms by date, room type, or amenities.
 - Make a room reservation.
- 2. View Reservations:**
 - Display a list of current reservations.
- 3. Check-in/Check-out:**
 - Check-in guests.
 - Check-out guests.
- 4. Delete Reservation**
 - Removes user's reservation.
- 5. Check in and Check out:**
 - Generates a unique ID that the user can use in the hotel.
 - When the user checks out their room will become available for reserving.
- 6. User Profile:**
 - Guests can create a username and password.
 - Guests personal information will be securely stored.
- 7. View profile and reservations:**
 - Guests view or cancel their existing reservations.
 - Guests can change personal information.
 - The user can view their payment per night for their reservations.
- 8. Log In/Out:**
 - Allow the user to log in using their username and password.
 - Allow users to securely log out of the system.

2. System Specification

a. Development Platform:

- CPU: Intel Core i5 or AMD Ryzen 5
- Memory: 8 GB

- Hard Drive: 512 GB with at least 10 GB remaining space
- Operating System: Windows 10 or higher
- Software: Eclipse IDE with Java JDK 11

b. Operating or Production Platform:

- CPU: Intel Core i3 or AMD Ryzen 3
- Memory: 4 GB
- Hard Drive: 256 GB with at least 10 GB remaining space
- Operating System: Windows 10 or higher
- Software: Eclipse IDE or Java JDK 11

3. Software Management

To control the different versions of the project we will use GitHub.

4. Project Schedule

Task	Duration (days)	Start Date	End Date	Personnel
1. Project Requirements and Project Plan	7	10/25/2023	10/31/2023	Everyone (Mario, Jules, Megan)
a. Writing	4	10/25/2023	10/29/2023	Everyone
b. Self-Review	1	10/30/2023	10/30/2023	Everyone
c. Revise document for submission	1	10/31/2023	10/31/2023	Everyone

2. Project Analysis	7	1/1/2023	11/7/2023	Everyone (Mario, Jules, Megan)
a. Analyzing	4	1/1/2023	1/4/2023	Everyone
b. Self-Review	1	1/5/2023	1/6/2023	Everyone
c. Revise document for submission	1	11/7/2023	11/7/2023	Everyone
3. Project Design	7	11/8/2023	11/14/2023	Everyone (Mario, Jules, Megan)
a. Designing	4	11/8/2023	11/11/2023	Everyone
b. Self-Review	1	11/12/2023	11/13/2023	Everyone
c. Revise document for submission	1	11/14/2023	11/14/2023	Everyone
4. Project test plan and ICD	7	11/15/2023	11/21/2023	Everyone (Mario, Jules, Megan)
a. Test Plan	4	11/15/2023	11/16/2023	Everyone
b. Create ICD	4	11/15/2023	11/16/2023	Everyone
c. Self-Review	1	11/19/2023	11/20/2023	Everyone
d. Revise document for submission	1	11/21/2023	11/21/2023	Everyone
5. Sprint 1 (Implementation and testing)	7	11/22/2023	11/28/2023	Everyone (Mario, Jules, Megan)
a. Implementation	4	11/22/2023	11/26/2023	Everyone
b. Testing	4	11/22/2023	11/26/2023	Everyone
c. Self-Review	1	11/26/2023	11/27/2023	Everyone
d. Revise document for submission	1	11/28/2023	11/28/2023	Everyone

6. Sprint 2 (Implementation and Testing)	7	11/29/2023	12/10/2023	Everyone (Mario, Jules, Megan)
a. Implementation	4	11/29/2023	12/2/2023	Everyone
b. Testing	4	11/29/2023	12/2/2023	Everyone
c. Self-Review	1	12/3/2023	12/4/2023	Everyone
d. Revise document for	1	12/5/2023	12/5/2023	Everyone
7. Final Deliveries (Code, Binaries, Test Data and User's Guide)	7	12/5/2023	12/12/2023	Everyone (Mario, Jules, Megan)
a. Code	2	12/5/2023	12/6/2023	Everyone
b. Binaries	2	12/5/2023	12/6/2023	Everyone
c. Test Data	2	12/7/2023	12/10/2023	Everyone
d. User's Guide	2	12/7/2023	12/10/2023	Everyone
e. Self-Review	1	12/10/2023	12/10/2023	Everyone
f. Revise document for submission	1	12/10/2023	12/10/2023	Everyone