**Project Plan - Hotel Reservation Program**

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**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.

1. **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.
2. **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  a. Writing  b. Self-Review  c. Revise document for submission | 7  4  1  1 | 10/25/2023  10/25/2023  10/30/2023  10/31/2023 | 10/31/2023  10/29/2023  10/30/2023  10/31/2023 | Everyone  (Mario, Jules, Megan)  Everyone  Everyone  Everyone |
| 2. Project Analysis  a. Analyzing  b. Self-Review  c. Revise document for submission | 7  4  1  1 | 1/1/2023  1/1/2023  1/5/2023  11/7/2023 | 11/7/2023  1/4/2023  1/6/2023  11/7/2023 | Everyone (Mario, Jules, Megan)  Everyone  Everyone  Everyone |
| 3. Project Design  a. Designing  b. Self-Review  c. Revise document for submission | 7  4  1  1 | 11/8/2023  11/8/2023  11/12/2023  11/14/2023 | 11/14/2023  11/11/2023  11/13/2023  11/14/2023 | Everyone (Mario, Jules, Megan)  Everyone  Everyone  Everyone |
| 4. Project test plan and ICD  a. Test Plan  b. Create ICD  c. Self-Review  d. Revise document for submission | 7  4  4  1  1 | 11/15/2023  11/15/2023  11/15/2023  11/19/2023  11/21/2023 | 11/21/2023  11/16/2023  11/16/2023  11/20/2023  11/21/2023 | Everyone (Mario, Jules, Megan)  Everyone  Everyone  Everyone  Everyone |
| 5. Sprint 1 (Implementation and testing)  a. Implementation  b. Testing  c. Self-Review  d. Revise document for submission | 7  4  4  1  1 | 11/22/2023  11/22/2023  11/22/2023  11/26/2023  11/28/2023 | 11/28/2023  11/26/2023  11/26/2023  11/27/2023  11/28/2023 | Everyone (Mario, Jules, Megan)  Everyone  Everyone  Everyone  Everyone |
| 6. Sprint 2 (Implementation and Testing)  a. Implementation  b. Testing  c. Self-Review  d. Revise document for | 7  4  4  1  1 | 11/29/2023  11/29/2023  11/29/2023  12/3/2023  12/5/2023 | 12/10/2023  12/2/2023  12/2/2023  12/4/2023  12/5/2023 | Everyone (Mario, Jules, Megan)  Everyone  Everyone  Everyone  Everyone |
| 7. Final Deliveries (Code, Binaries, Test Data and User’s Guide)  a. Code  b. Binaries  c. Test Data  d. User’s Guide  e. Self-Review  f. Revise document for submission | 7  2  2  2  2  1  1 | 12/5/2023  12/5/2023  12/5/2023  12/7/2023  12/7/2023  12/10/2023  12/10/2023 | 12/12/2023  12/6/2023  12/6/2023  12/10/2023  12/10/2023  12/10/2023  12/10/2023 | Everyone (Mario, Jules, Megan)  Everyone  Everyone  Everyone  Everyone  Everyone  Everyone |