

Hotel Management App

Team Member:

- 62011145 Kritapas Chutiwanichyakul
- 62011278 Thawat Jarupenpat
- 62011281 Tinchupeam Weerayutvilai

Description:

The Hotel management system can be a challenge sometimes especially dealing with the data. Sometimes the receptionist could mishandle the reservation and double booking the room which could cause some problems between the customer and the hotel system reputations. Having this application installed for the receptionist could significantly decrease chances of booking errors or price calculation error since the app will tell the status of the room that it's currently occupied or not, and the app will do the calculation once the booking for the room process has been completed.

Our project is important because it could help to save time for both parties and increase the effectiveness of the hotel management as well. This project can solve the problems of reducing chances of booking error and increases the effectiveness of room management databases.



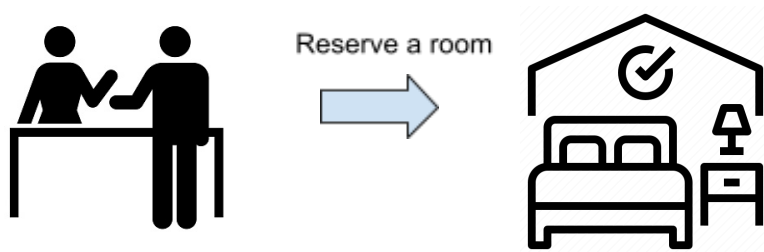
Requirement Description:

Hotel Management App is an application for hotel's receptionists, which can be used for making a reservation for a customer.

The receptionist could check the status of the room whether it has been occupied or not. When finish making a reservation for a room, the app will calculate the total prices for the room, including breakfast packages, and others if the customer requested it.

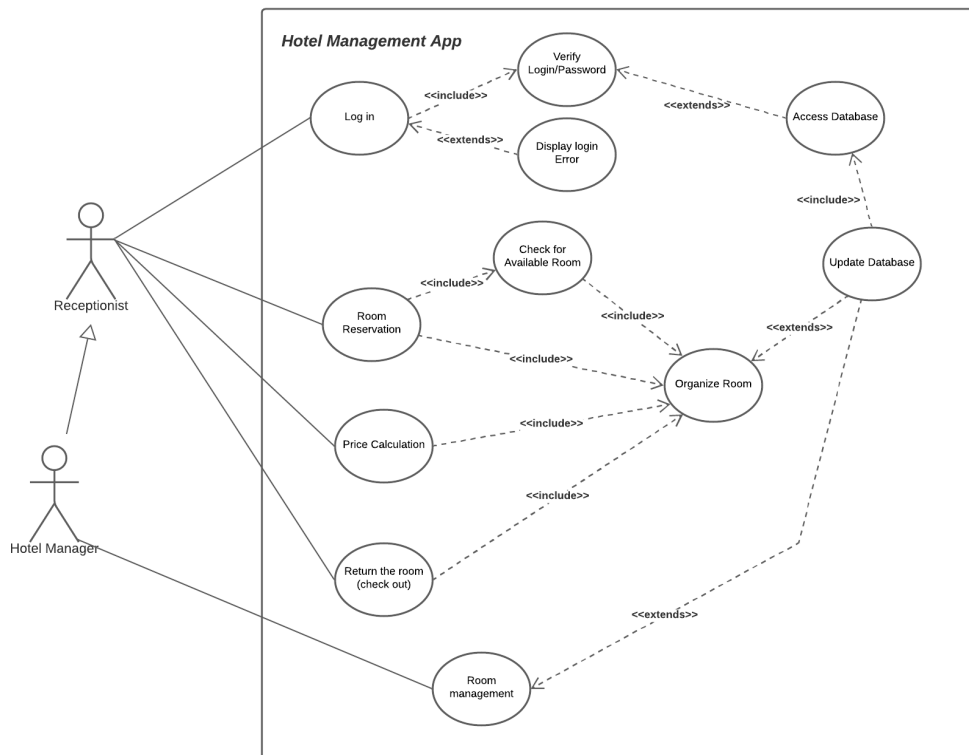
The Hotel manager can manage the room via database access.

RECEPTION



Requirement Model:

- Use Case Diagram:



User Interface:

Login Page UI

Hotel Management

Login

Please Sign in to continue

 Username

 Password

LOGIN

Don't have an account? [Sign up](#)

Reservation UI

Hotel Management

Create An Account

Register your account

 Full Name

 Username

 Password

Gender ☐ Male ☐ Female

SIGN UP

Already have an account?


[Sign in](#)

Staff Approval Page (Admin)


Hotel Management



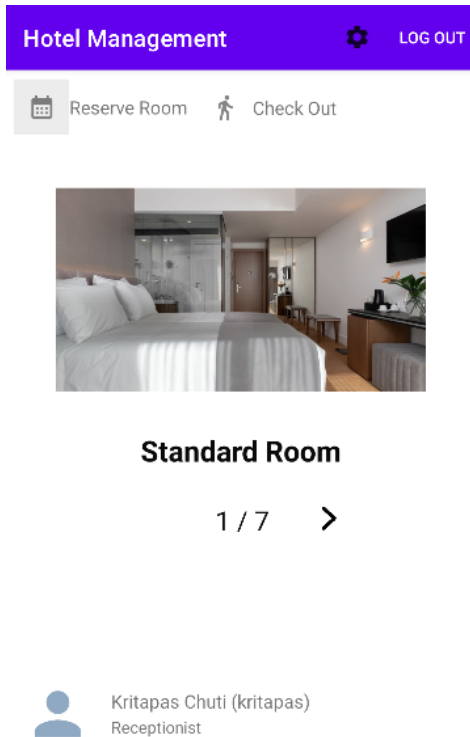
Staff Management

 Administrator
Hotel Manager

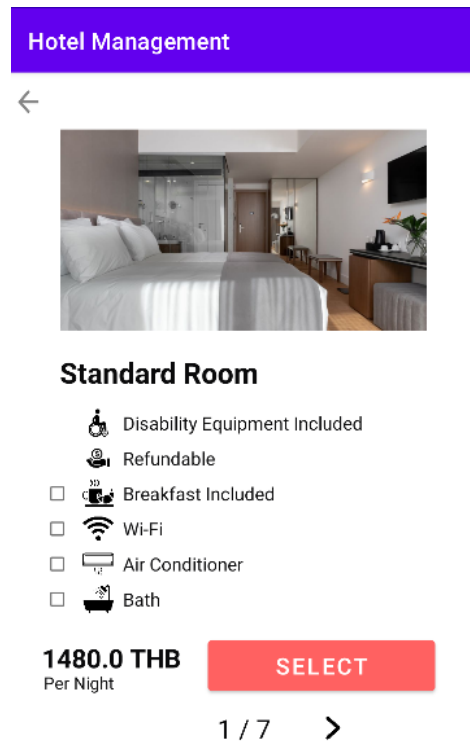
 Kritapas Chuti
Wait for Approval  

 Tester
Receptionist

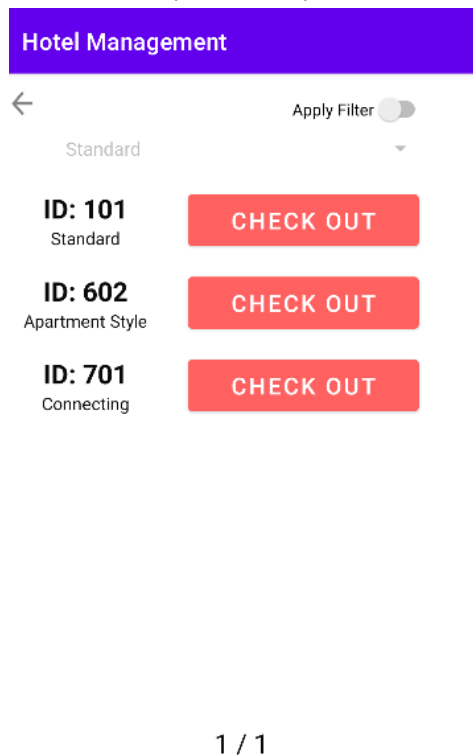
Receptionist Menu UI



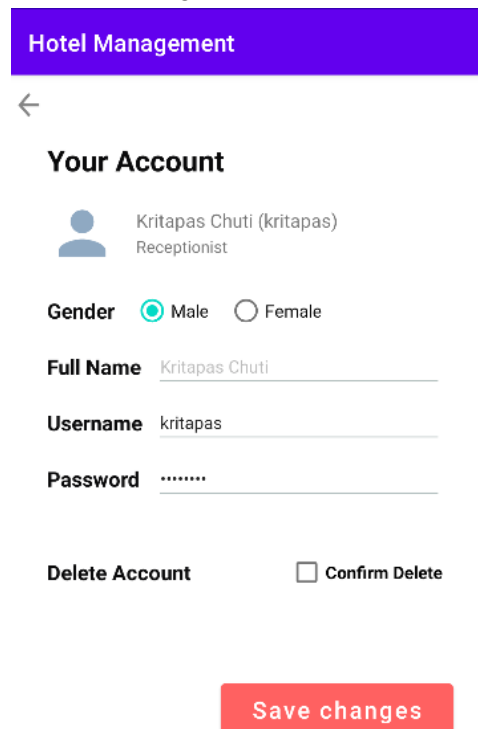
Reservation UI



Return Room (Check Out) UI



Account Setting UI



Hotel Manager (Admin) UI

Hotel Management


☰

⚙

LOG OUT

📅 Reserve Room

🚶 Check Out




Standard Room

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Customize Room

✎



Administrator (admin)
Hotel Manager

Room Customization UI

Hotel Management

←

✎

Standard

▼

ID: 101

Standard

Not Available

ID: 102

Standard

Available

🗑

ID: 103

Standard

Available

🗑

ID: 104

Standard

Available

🗑

ID: 105

Standard

Available

🗑

ID: 106

Standard

Available

🗑

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Tools Evaluation

- **Language:**

- Java

- **Database:**

- Firebase

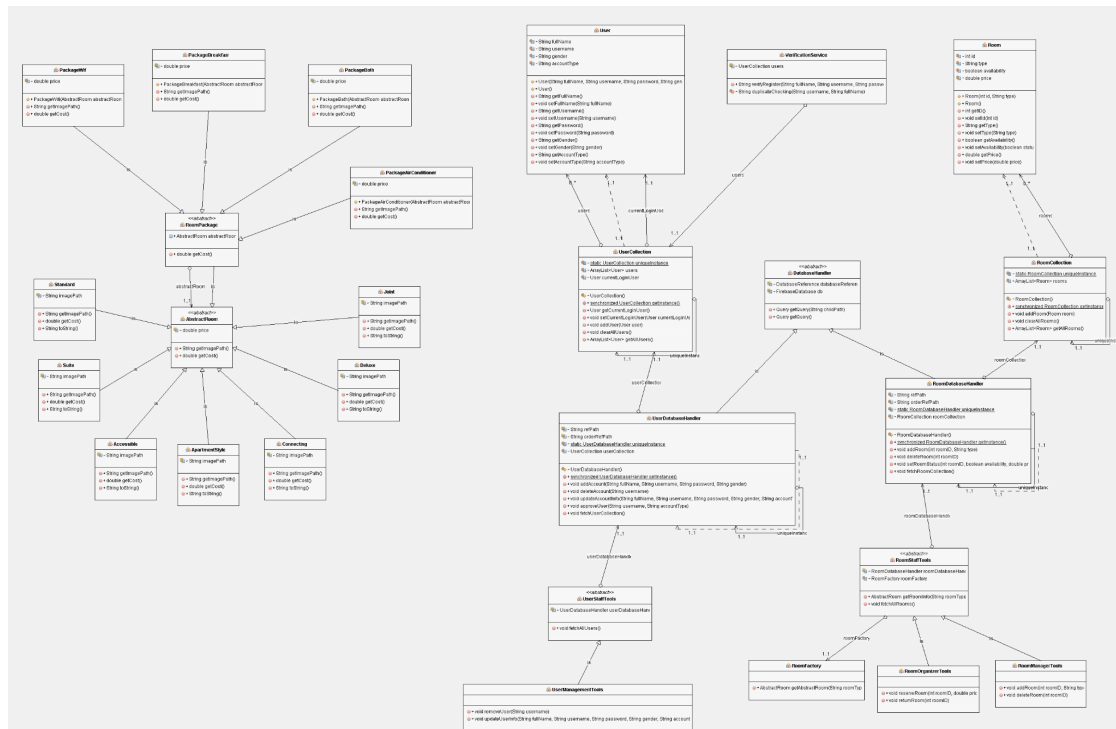
- **Tools & IDE used:**

- Netbeans → for Preliminary Test
- Android Studio → for full app development



Design Model:

- Class Diagram (Method, Implement all use-cases):



https://cdn.discordapp.com/attachments/944166288798933012/970352116940042270/hotel_management_preview2.png

Source Code:

<https://github.com/kr-pound/Hotel-Management-Android->