

Hotel Management System Using Python GUI

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ABSTRACT



Hotel management system is a efficient software solution for managing various hotel operations.

The system includes functionalities such as room booking, payment processing, check-in and check-out procedures, food ordering, and a feedback mechanism.

Additionally, the system allows administrators to manage and add rooms to better serve customers.

REQUIREMENTS

Hardware Requirements

- RAM 4BG
- Processor speed – 2GHz
- Key board

Software Requirements

- Python
- Tkinter
- MySQL



MODULES



CUSTOMER / USER

Services provided to the user are as follows:

- Check-in
- Check-out
- Order food
- Feedback

MODULES

ADMIN

Features that can be implemented by admin are as follows:

- Adding rooms
- Checking / Monitoring hotel rooms



IMPLEMENTATION

- Initially there is a main page of our hotel management system which includes customer and admin login.
- Upon successful login of customer and admin the home page of our project displays which contains a nav bar with Home, Services , Aboutus ,logout.
- Services like check-in,booking rooms,ordering food,payment.
- Admin receives feedback and can access all details regarding customers.

1. Class Diagram

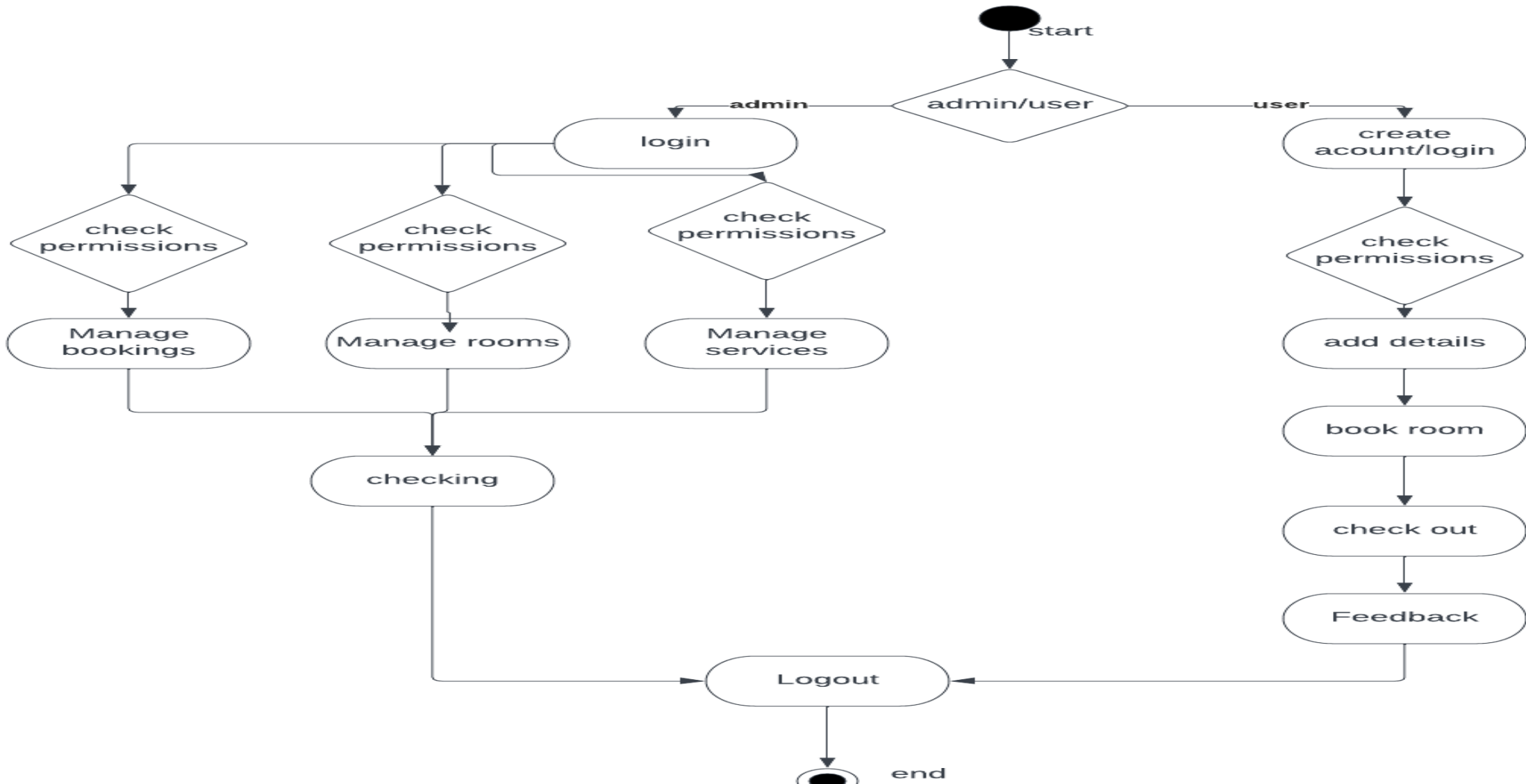
UML Diagrams



2. Activity Diagram

UML Diagrams

ACTIVITY UML



EXISTED SYSTEM



RoomKeyPMS and Hotelogix:

It is a cloud based system which manages all hotel operations and the data stores in the cloud.

THMS Hotel:

It is a system for hospitality industry to manage operations like check-in / check-out, hotel reservation system & booking management, front desk, hotel billing etc.

PROPOSED SYSTEM



Here are the additional features I've included:

- Ordering food : Customers can order their food directly using this system .In this there had an customer choice to choose their food .
- Ensuring that admin can check manage all details simultaneously.
- Developing using Tkinter makes it easy to code and understandable.

FUTURE SCOPE

- Integrating ordering food from popular websites like Zomato and Swiggy,
- Introducing careers or job roles present in the hotel.
- Mobile app development for the project



CONCLUSION

- In conclusion our project provides ultimate security in keeping customers information secure and store in the database for certain amount of time.
- It contains the implementation of all the hotel operations at place according to the customers preference.



THANK YOU