

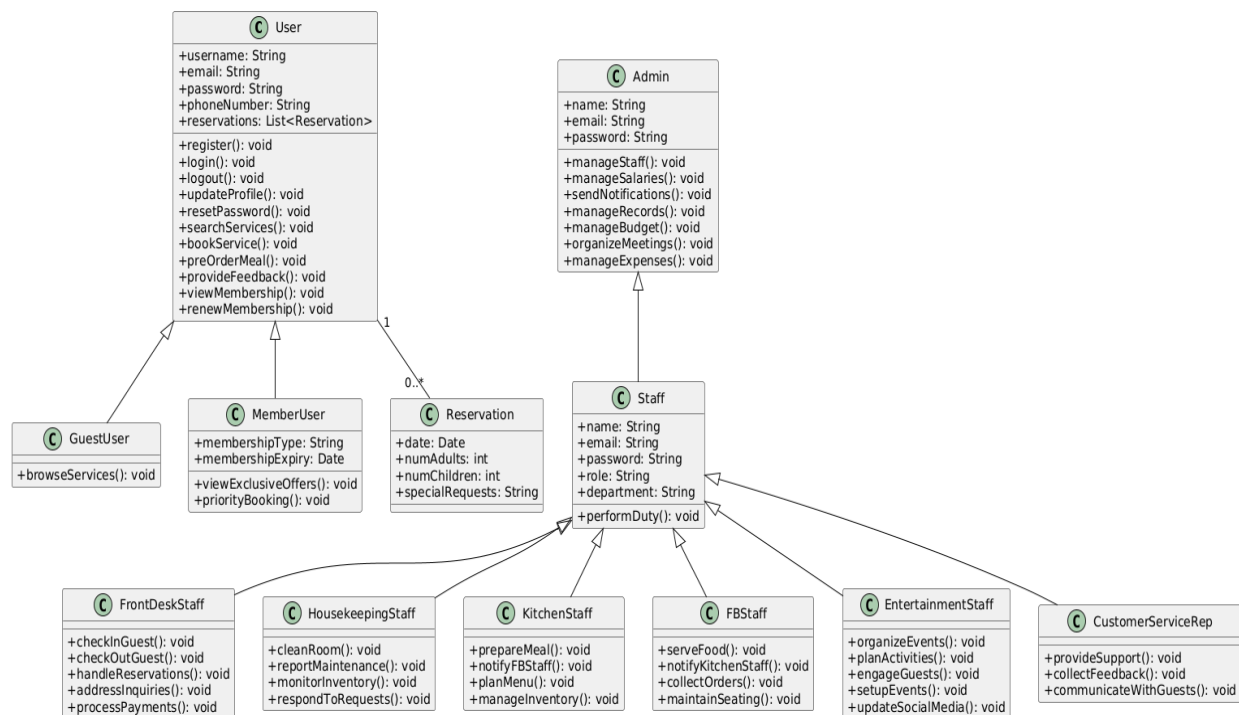
# UML DIAGRAMS

## Introduction

The "Daylight Daycation Resort Management System (DRMS)" is designed to streamline the operations of daycation resorts by defining and managing roles across user, administrative, and staff modules. This document provides UML diagrams to illustrate the system's structure and behavior.

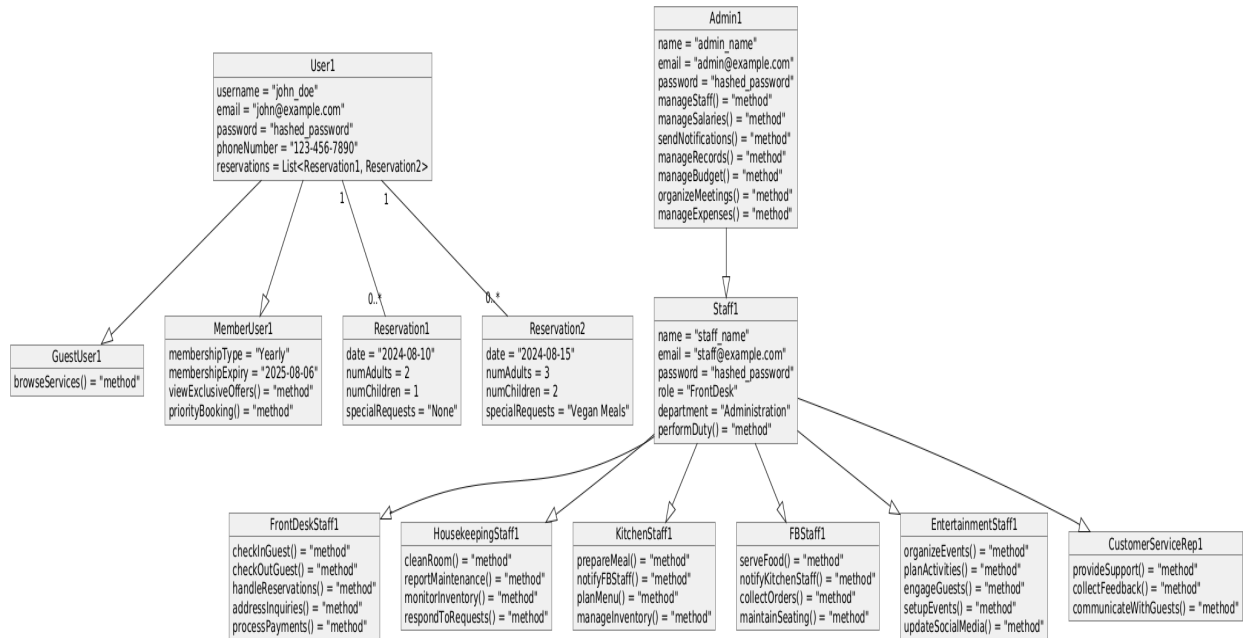
## Class Diagram

The class diagram shows the static structure of the DRMS, including its classes, attributes, operations, and relationships.



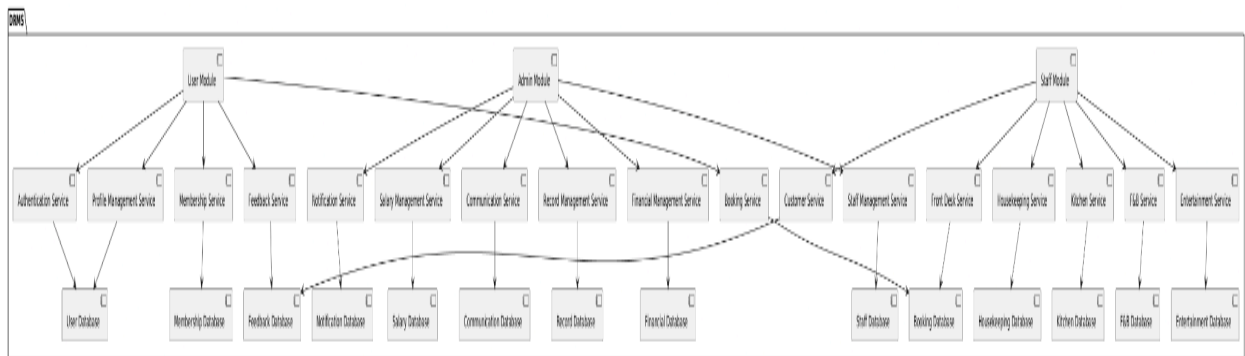
## Object Diagram

The object diagram shows instances of classes and their relationships at a specific point in time.



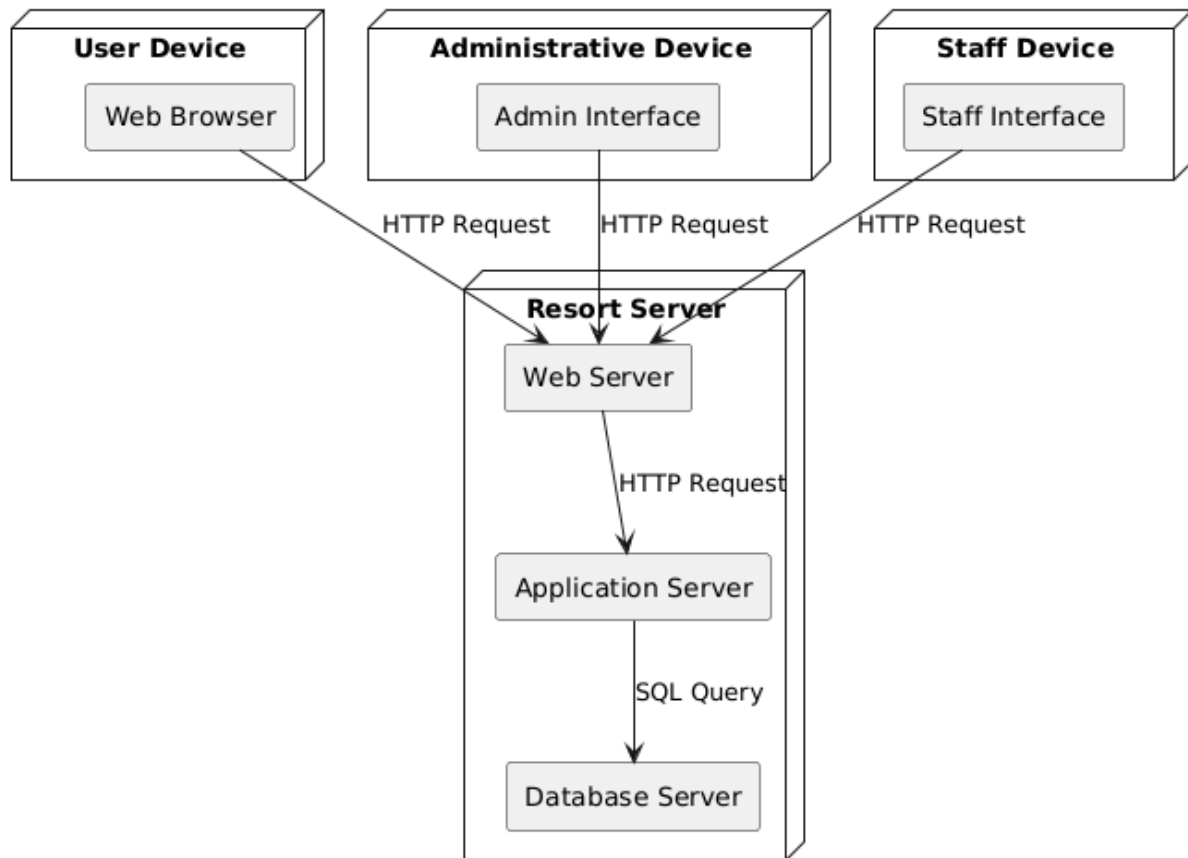
# Component Diagram

The component diagram illustrates the organization and dependencies among software components.



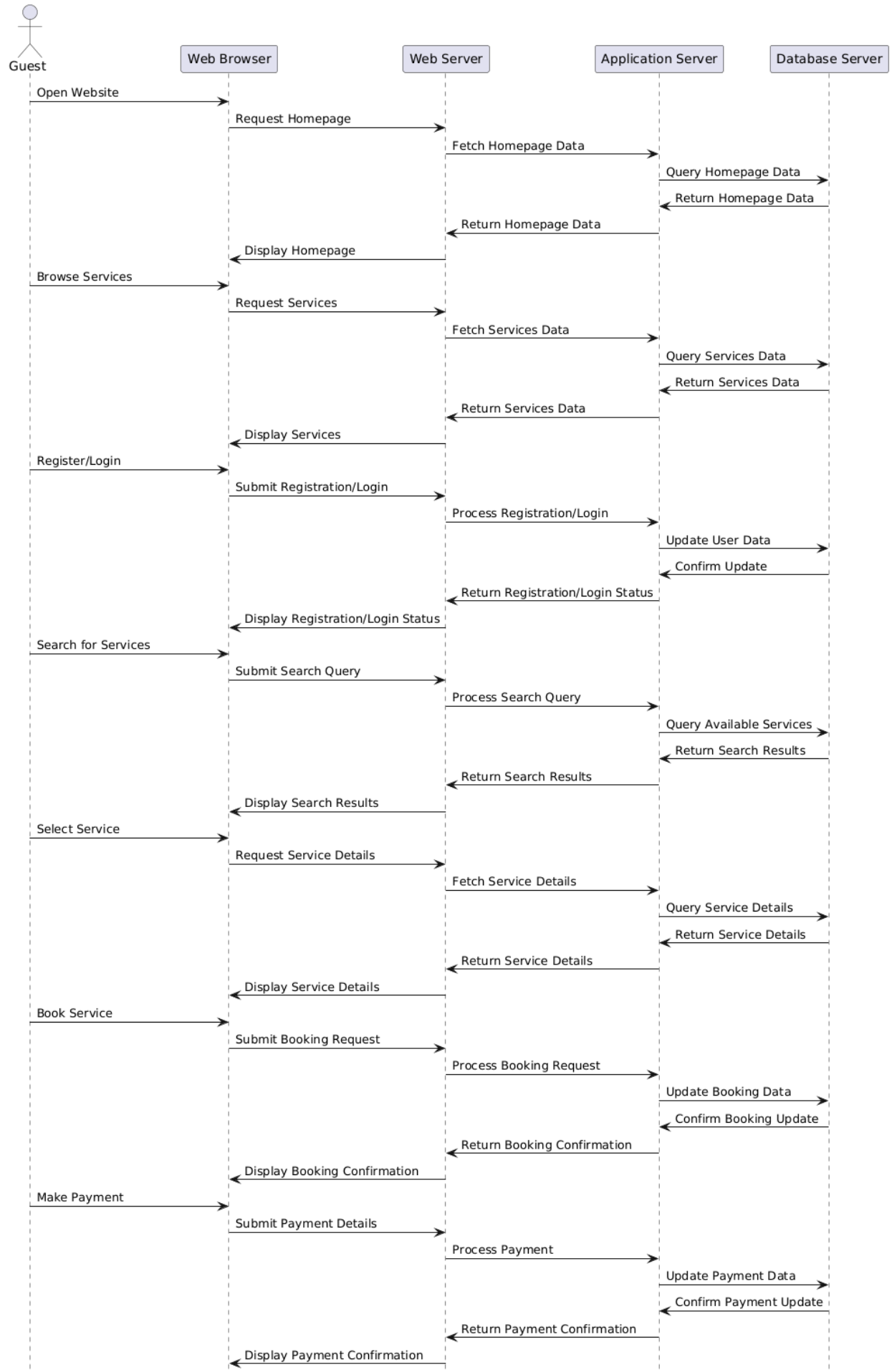
# Deployment diagram

The deployment diagram shows the physical architecture of the system, including hardware nodes and software components.



## Sequence Diagram

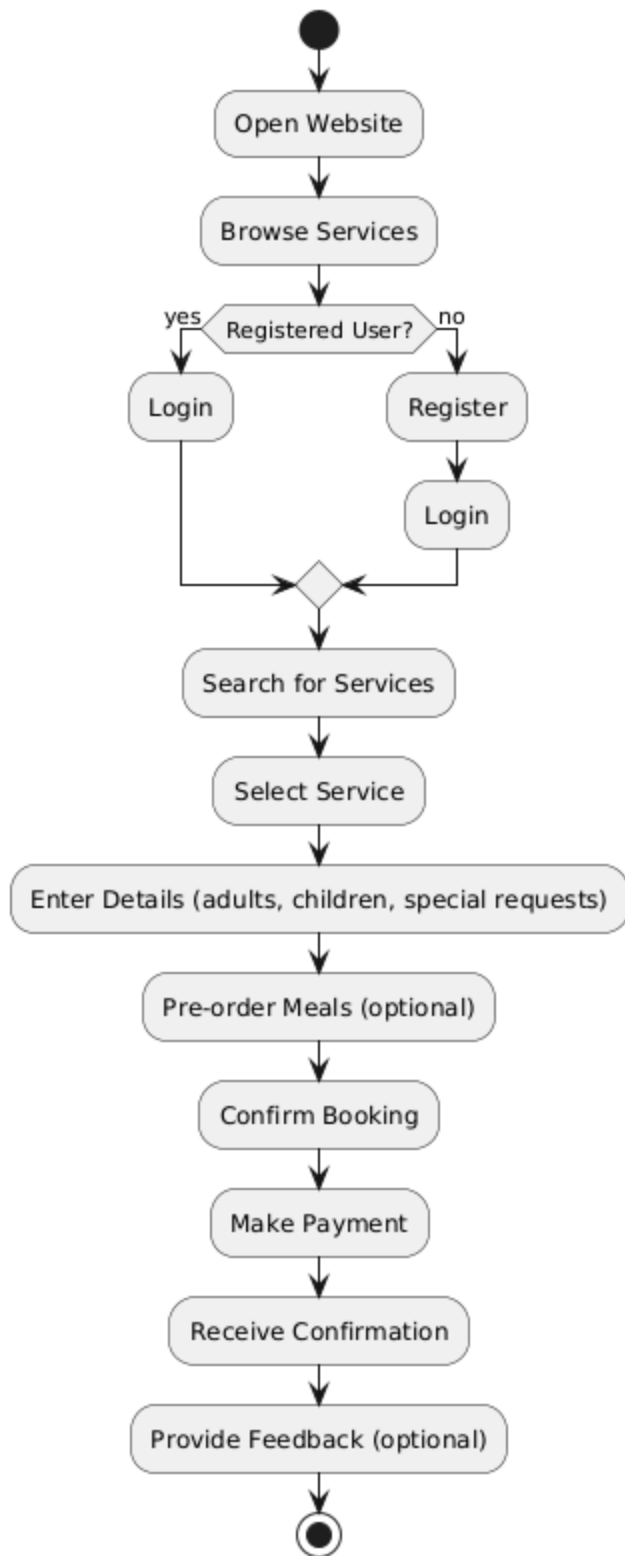
The sequence diagram shows how objects interact in a particular scenario of a use case.



## **Activity diagrams**

The activity diagram shows the flow of activities in the system.

### **User Activity Diagram**

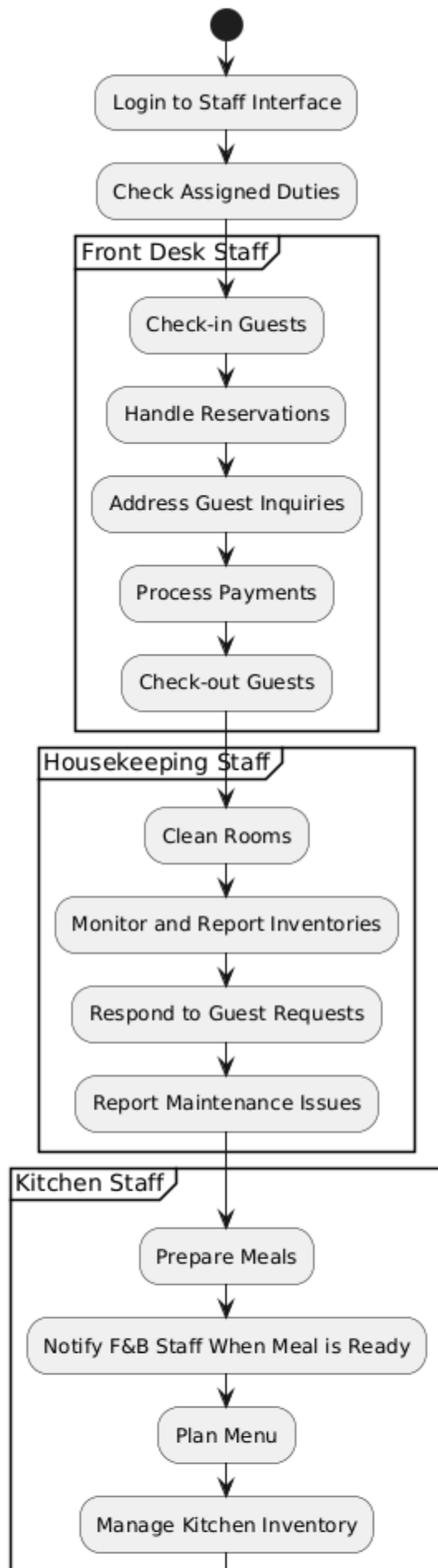


**Admin Activity Diagram**



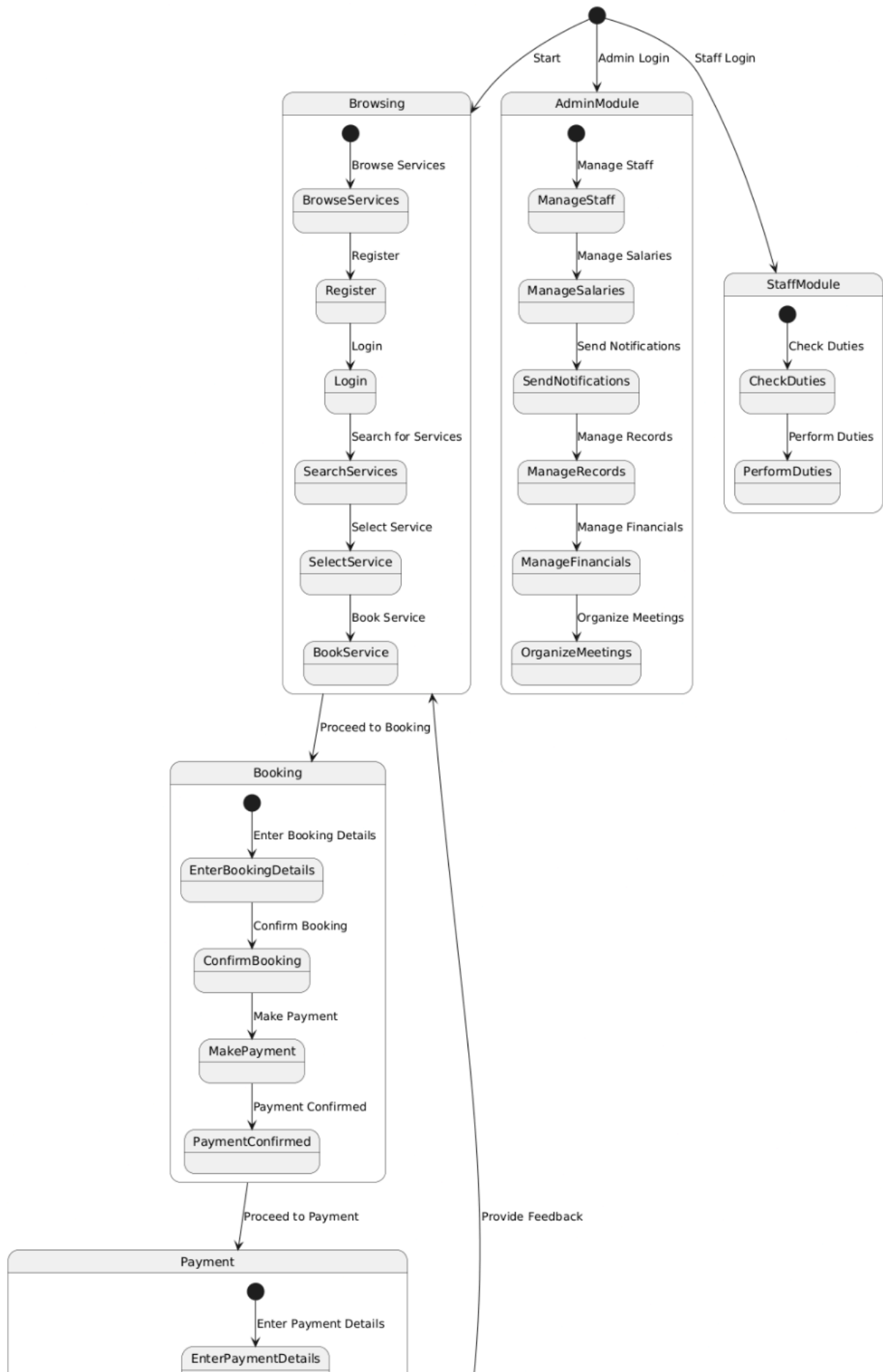
## Staff Activity Diagram





## **State Chart Diagram**

The state chart diagram shows the state transitions of a particular object.



## **Conclusion**

The class diagram for the Daylight Daycation Resort Management System (DRMS) provides a structured overview of the various entities and their interactions within the system. It highlights the essential components such as Users, Bookings, Memberships, and Feedback, along with the administrative and staff management functionalities that ensure efficient operation. The diagram illustrates the relationships between classes, showcasing the hierarchy and responsibilities of different users (Guest Users, Registered Users, Admins, and Staff). By defining these roles and interactions clearly, the class diagram serves as a foundational blueprint for the system's implementation, ensuring that all modules work cohesively to deliver a seamless and efficient experience for both resort guests and staff.