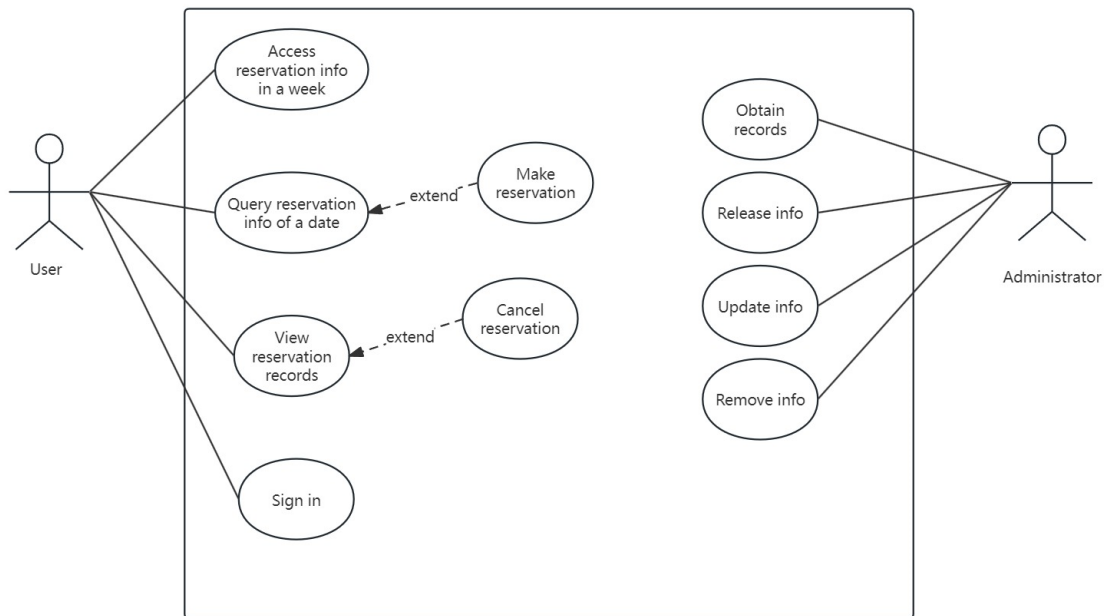


Assignment 2

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Use Case Diagram



Class Diagram

Auxiliary Classes

1. TimePeriod

TimePeriod records a time period

2. ReservationRecord

ReservationRecord records a user's record

3. ReservationInstance

ReservationInstance records a time period for reservation

Entity Classes

1. User

a. Guest

Guest class implements the “**queryReservation**”, “**cancelReservation**”, “**reserve**”, “**signIn**” and “**viewAllReservationRecord**” methods required in the assignment document.

They simply call corresponding public methods in **OrderSystem**.

b. Administrator

Administrator class implements the “**releaseReservationInstance**”, “**updateReservationInstance**” and “**removeReservationInstance**” methods required in the assignment document.

They simply call corresponding public methods in **OrderSystem**.

2. OrderSystem

OrderSystem maintains a database to store all **User**, **ReservationRecord** and **ReservationInstance**

Diagram

For all the methods whose return value is Boolean type, the Boolean value indicates whether the request have been operated successfully.

