Week 5 Seminar & Pre-class activities

Q1. User Goal Technique

Question A *Submitted Apr 2nd 2022 at 11:04:06 am*

Using the User Goal technique identify 3 Use Cases for an Allocate+ Student user.

Value: 10%

User	User Goal and resultinh use case
Student	Check unit arrangement, select suitable time for class, and determine test time.
Allocate+ Manager/lecturer	Check personnel changes, edit course information, schedule course times and exams.
System staff	Add/update course management，maintain systems, design/update web pages

Q2. Event Decomposition

Question A *Submitted Apr 2nd 2022 at 11:34:24 am*

For the following system description:

- Identify the events that occur to which the system must respond
- For each of these events
    - identify what type of event it is
    - name a use case that describes what the system does when the event occurs

System description

A customer reviews a range of restaurants to decide where to place an order, and then places their order. Some restaurants show up as not accepting orders, because when a restaurant reaches their pre set max. no of orders to meet reasonable delivery times, the system changes their status to not accepting orders. At midnight each night each restaurant gets a tally of all their Uber Eats orders for the previous 24 hours.

Value: 20%

The events that system must respond:

1. External Events - Customer places order

2. State Events - When the restaurant reaches the maximum number of reservations, the system will show that the order is not accepted

3. Temporal Events - At midnight each day, orders for the past 24 hours will be sent to the restaurant.

Use case：

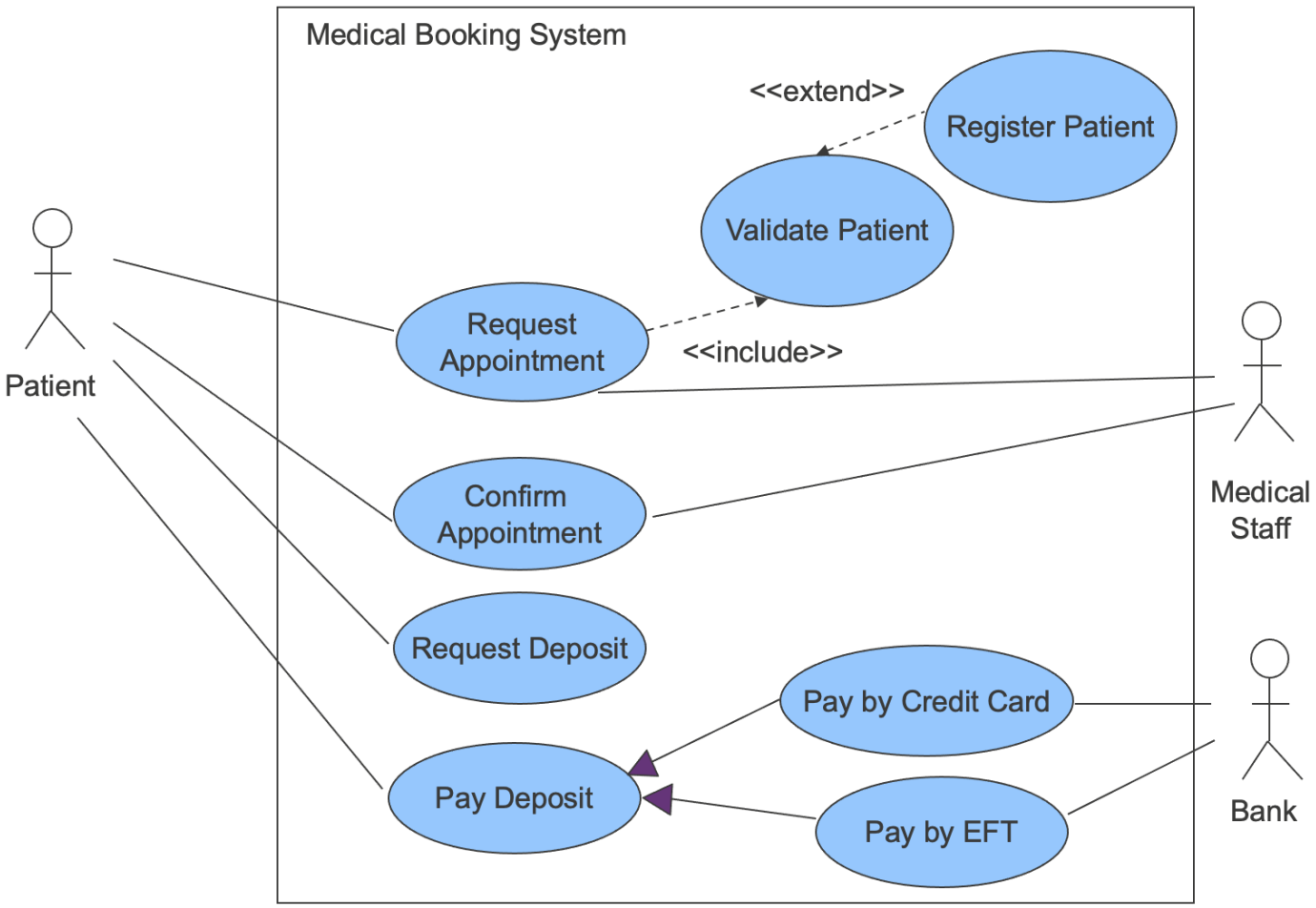
Customer thinks about the dinner，Customers open UberEats looking for a restaurant，Customer opens a Burger King menu to check out the dishes, Customer place order on UberEats for Burger King

Q3. Use Case Diagrams

Question A *Submitted Apr 2nd 2022 at 12:14:30 pm*

Describe the following Use Case Diagram in point form:

NOTE: *Your description should demonstrate your understanding of include, extend and generalisation*



Value: 50%

Medical Booking System:

1. Actors: primary actor: Patient;

   secondary actor: Medical Staff, Bank

2. Goal: Patients need to register with the medical reservation system and pay a deposit to book

a doctor's appointment.

3. The patient will request an appointment, and the validate patient contained in the request appointment will be called. If the verification is successful, the request appointment will be executed. If the verification is unsuccessful, his child register patient will be executed, and the patient needs to register to request an appointment.

4. If the patient successfully requests appointment, the medical staff will receive the request and ask the patient to confirm. After the patient confirms the appointment of medical staff, he will receive a request for a deposit.

5. The bank provides two ways to pay the deposit, pay by credit card or pay by EFT. The patient needs to pay the deposit in these two ways.

Q4. Verifying Data Entities

Question A *Submitted Apr 2nd 2022 at 12:21:55 pm*

In the Allocate+ system, provide use case examples that would allow you to verify the Subject Timetable data entity using the CRUD model.

NOTE: *For each element of C R U D provide one use case example*

Value 20%

Create: Create course unit timetable data

Read/report: View Timetable; produce Timetable history

Update: Update course timetable

Delete: Update student course information