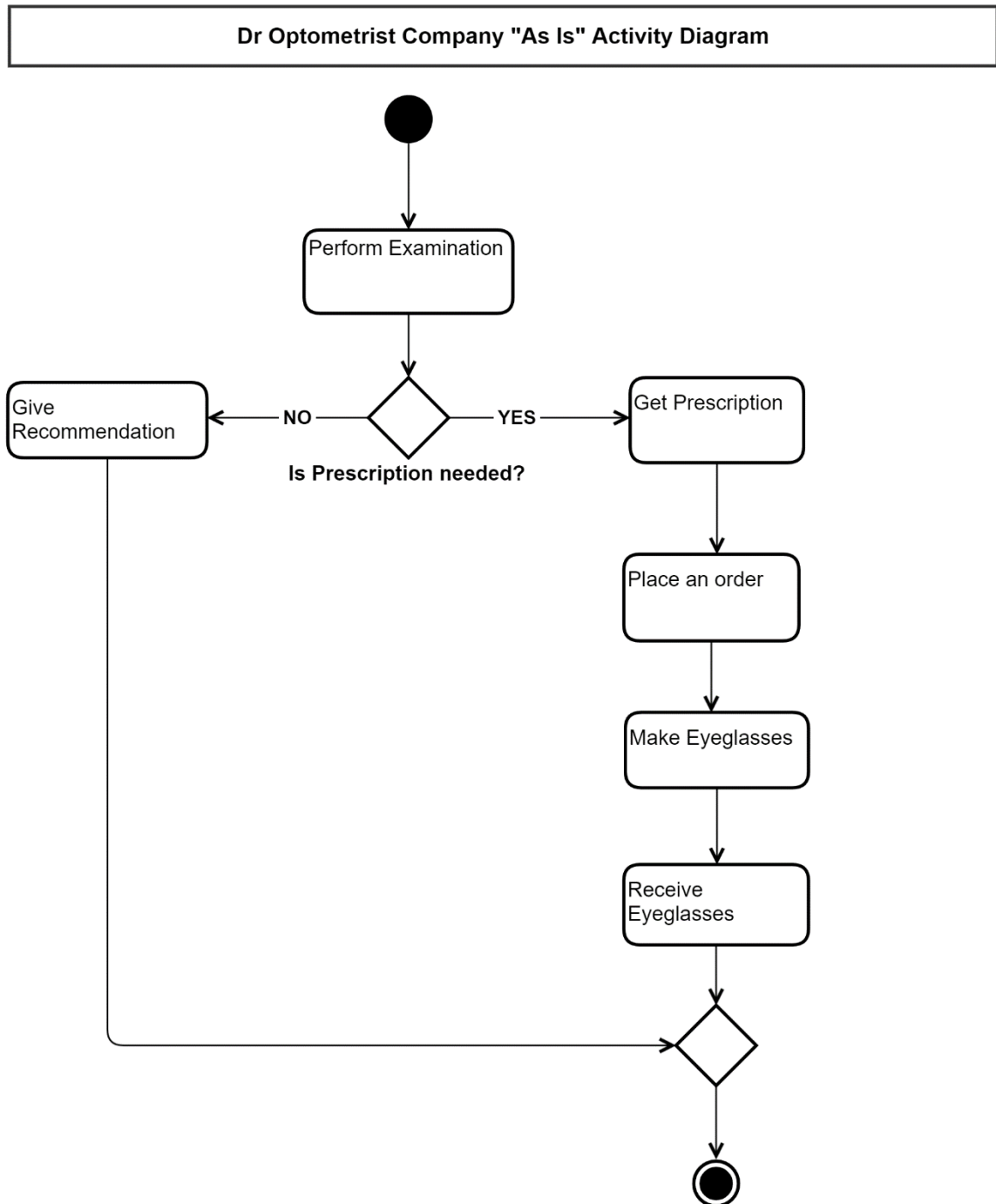
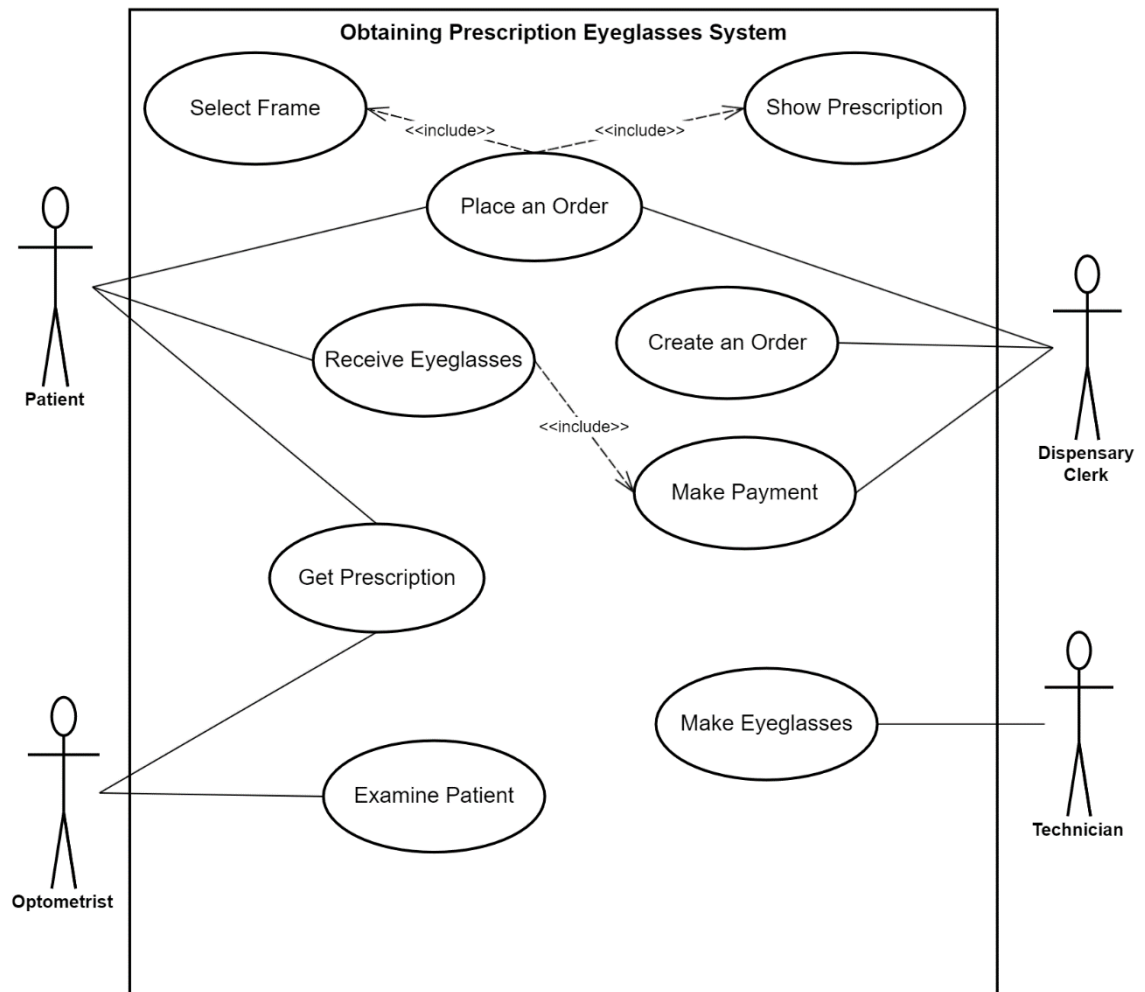


Assignment 2: Business Process and Functional Modelling Practice

Task 1. High-level As-Is Business Process Model for Obtaining Prescription Eyeglasses (UML Activity Diagram)



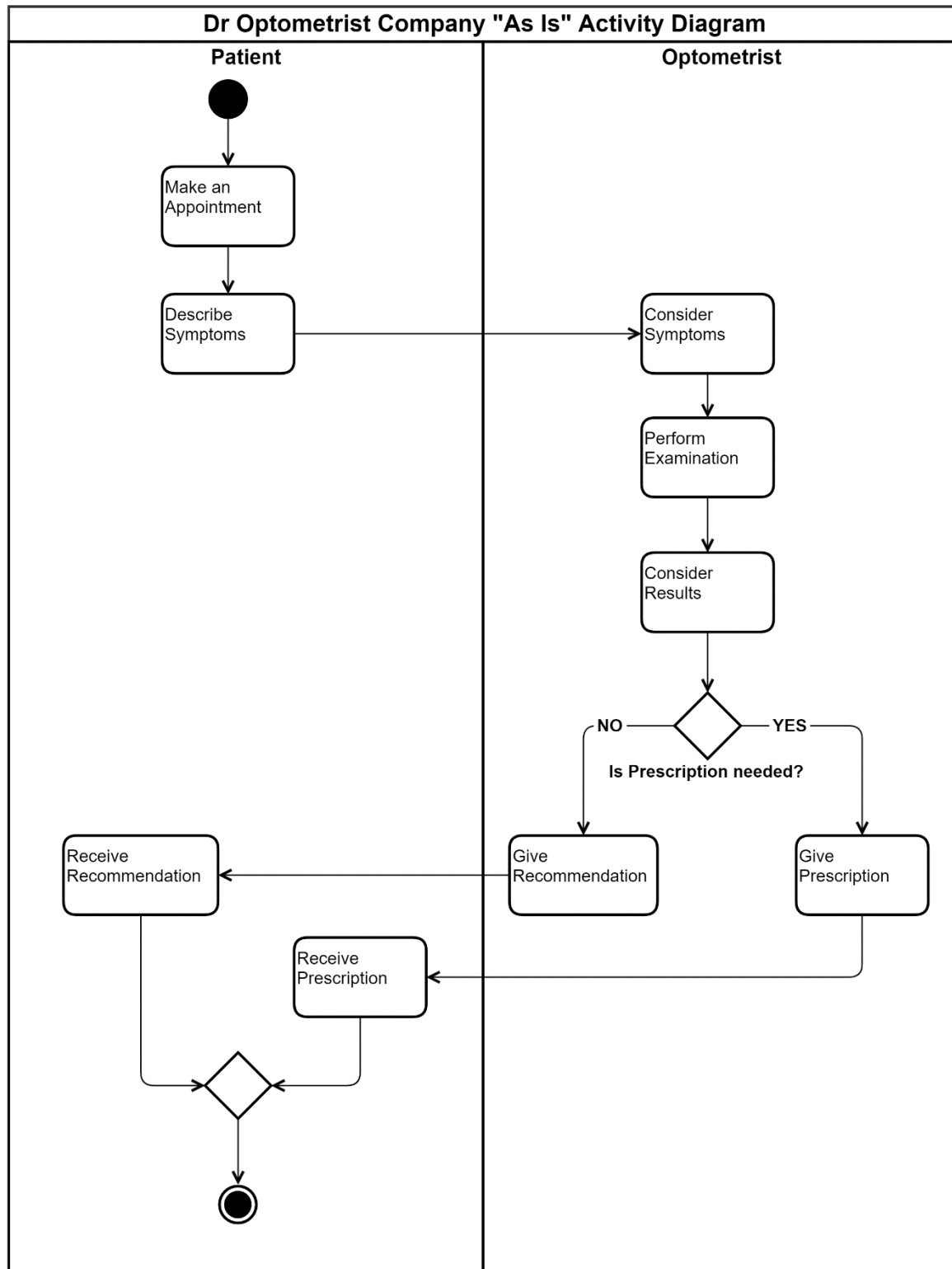
Task 2. Use-case Diagram for **Obtaining Prescription Eyeglasses System**



Task 3. Use Case Description for **Get Prescription**

| | | |
|--|----------------------------------|------------------|
| Use Case Name: Get Prescription | ID: 1 | Importance: High |
| Primary Actor: Patient | Use Case Type: Detail, Essential | |
| Stakeholders and Interests: Patient-wants to know if prescription is needed Doctor-wants to ensure if patient needs to get prescription or recommendation | | |
| Brief Description: This use case describes how patient gets prescription | | |
| Trigger: Patient wants to be checked up Type: External | | |
| Relationships: Association: Patient, Optometrist Include: Extend: Generalization: | | |
| Normal Flow of Events: 1. Patient makes an appointment. 2. Patient describes symptoms. 3. Optometrist examines Patient (S-1) a) If prescription is needed based on results, Optometrist will provide prescription. 4. Patient receives prescription | | |
| Subflows: S-1: Examine Patient 1. Optometrist considers symptoms 2. Optometrist performs examination 3. Optometrist considers results | | |
| Alternate / Exceptional Flows: | | |

Task 4. Low-level As-Is Business Process Model for Get Prescription (UML Activity Diagram)



Task 5. Use Case Description for **Place Order**

| | | |
|--|----------------------------------|------------------|
| Use Case Name: Place Order | ID: 2 | Importance: High |
| Primary Actor: Patient | Use Case Type: Detail, Essential | |
| Stakeholders and Interests: Patient-wants to place an order Dispensary clerk-wants to ensure customer provided enough information before creating an order Technician-makes eyeglasses based on order details | | |
| Brief Description: This use case describes how patient places an order with dispensary | | |
| Trigger: Patient wants to place an order Type: External | | |
| Relationships: Association: Patient, Dispensary Clerk, Technician Include: Extend: Generalization: | | |
| Normal Flow of Events: 1. Patient places an order (S-1) 2. Dispensary clerk creates an order (S-2) 3. Patient confirms date/time for order a) If suggested date/time is not suitable for Patient, Dispensary Clerk suggests another date/time until patient confirms suitable date/time 4. Dispensary clerk submits order for fulfillment 5. Technician prepares eyeglasses 6. Customer receives eyeglasses (S-3) | | |
| Subflows: S-1: Place Order 1. Patient selects a frame 2. Patient shows prescription S-2: Create Order 1. Enter Prescription Data 2. Enter Selected Frame 3. Suggest Date/Time S-3: Receive Eyeglasses 1. Patient checks for adjustment/fitting 2. Patient makes payment and Dispensary Clerk processes payment | | |
| Alternate / Exceptional Flows: | | |

Task 6. Low-level As-Is Business Process Model for Place Order (UML Activity Diagram)

