Scenario for Activity Diagram

Example-1: Consider an online reservation for a Bangladesh Railway Ticketing System. The train ticket can be booked by customers on the web site of Bangladesh Railway. The customer has the option to directly pay for the ticket through the website. In that case, the ticket cannot be cancelled (neither by the customer nor by the railway system). If the customer has not paid for the ticket, the railway system can cancel the seat if the customer does not show up one hour before the trip. When the reservation is cancelled, the seat will become free and can be sold to another customer. Both the customer and the railway system authority must authenticate themselves for performing operations with the system.

Draw the activity diagram for ticket booking system.

Example-2: Create a set of use cases for the process of buying glasses from the viewpoint of the patient, but do not bother to identify the steps within each use case. (Just complete the information at the top of the use case form.) The first step is to see an eye doctor who will give you a prescription. Once you have a prescription, you go to a glasses store, where you select your frames and place the order for your glasses. Once the glasses have been made, you return to the store for a fitting and pay for the glasses.

Provide Activity diagram for prescription process of a doctor.

Example-3: Suppose you are a Software Engineer. A client has come to you to build a software for his banking business. He is already using a software but it is not compatible with his changing business logics. So he needs a new software that implements all the new business logics as well as the old functionalities also. So, basically he wants an up gradation of his previous system. In this system there is an activity in where customer can withdraw money from ATM. User inserts his Card into the machine. Then ATM reads the chip data and requests the user to input his valid key. Then ATM checks the keẏ s validity by communicating with the bank server. If the key is valid then ATM lets the user to withdraw money by asking the amount. But if the key is not valid then ATM asks again for valid key for three times. After three times, ATM rejects the card and releases it. When user inputs the amount then ATM checks if that amount is available or not. If available, then pays the money. But if not, then notifies the user. At last, ATM releases the card.

Provide Activity diagram for "Withdraw Money" and "Check the Amount".