

Assignment 2

1. Mr. Neo has a pharmacy store “Red Pill - Blue Pill” and has appointed you, Mr Morpheus, to help him in his store automation process. From the analysis of the system, you have identified the following requirements -

There will be three types of users as: Store manager, Customer and Delivery man. Customer can login/register into the system with an email & password. He/she can view and add medicine to the cart. Then he/she can order any medicine from the online store. While paying for the medicine, customer can pay the bill using a card or bKash. After that, the store manager can check and verify the orders by checking the availability of the medicine. Delivery man can see the pending orders, select any pending order and deliver that order. After delivering the order both customer and store manager will receive a notification regarding the delivery status.

Based on the above requirements, your task is to **Design** use case diagram.

2. A business wants to create an application to partially automate its hiring process. The candidate must pass several stages before being hired by this company. Initially, a candidate will create an application using the app. The applicant's application will be reviewed by the recruitment team after it has been submitted. If the recruiter is interested in the application, a test will be administered online via the application. The hiring staff may, however, bypass the online test and schedule an interview instead for excellent candidates with more experience. After appearing on the online test if and only if the score is greater than or equal to 80% then the recruitment team will schedule an interview for the applicant. The interviewer will conduct an interview with the candidate. If the candidate passes the interview the recruitment team will prepare an offer and fix a salary for the candidate concurrently. The candidate after reviewing the offer can either accept or reject the offer. If the candidate chooses to accept it then the recruitment team will hire the candidate. On the other hand, the recruiter may reject the application while reviewing it, if the online test result is below 80%, or if the interviewer decides against the candidate after the interview.

Design a swim-lane activity diagram for the above scenario.