

Assignment 1

1. Make a comparison between Agile and DevOps.
2. Calculate BEP for the following information. You need to use the Present Value with 15% interest in 3 years.

	Year 0	Year 1	Year 2	Year 3
Total benefit	0	43615	58363	74169
Total cost	84468	10819	12316	12776

3. Walton wants to build a food freshness-checking app for refrigerators. Identify 3 functional and 3 non-functional requirements of it.
4. 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: Store manager, Customer, and Delivery man. Customers 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, customers 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 the customer and store manager will receive a notification regarding the delivery status. Based on the above requirements, your task is to Design a use case diagram.