

# Assignment 1

1. Make a **comparison** between Agile and DevOps.

2. BRTC wants to launch a fleet of autonomous buses. RoadX company has been awarded the contract to build these buses. The buses will have to comply with Bangladesh traffic laws and regulations. Each bus will operate on specific routes, each bus will have specific stops. Initially the buses will operate in Gulshan area and later the operation area will be increased in other parts of Dhaka and you will have to update the navigation software to support new routes. RoadX have selected Waterfall Development methodology to develop the system. Briefly discuss whether the choice of development methodology is appropriate or not.

3. **Calculate** BEP for the following information. You need to use 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

4. Walton wants to build a food freshness checking app for refrigerators. **Identify** functional and non-functional requirements of it.

4. Suppose a telecommunication company planning to build a Parking space finder app.  
Identify 3 functional requirements and 2 non-functional requirements of this project.