Software Engineering Assignment

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1. Assignment

1.1 Assignment1

Submission Deadline: 17 Jan, 2022

Q1: Many modern applications change frequently before they are presented to the end user and then after the first version has been put into use. Suggest a few ways to build software to stop deterioration due to change.

Q2: Search and read one of software failure event, such as

- Therac-25

- Ariane-5 rocket

- NASA Mars Phobos 1

- .....

Based on your investigate, describe the event and your understanding:

1) event description

2) failure reason and your own thoughts/analysis

3)software development process improvement solution

Q3: As software becomes more pervasive, risks to the public (due to faulty programs) become an increasingly significant concern. Develop a doomsday but realistic scenario in which the failure of a computer program could do great harm, either economic or human.