

Assignment 5

1. Reading Assignment:

- a. read Chapter 9 Software Evolution, and Chapter 22 Project Management from the textbook “Software Engineering” by Ian Sommerville.
- b. **Answer the following questions, submitting in PDF:**
 - i. Briefly describe the three main types of software maintenance. Why is it sometimes difficult to distinguish between them? (Chapter 9)
 - ii. Explain the differences between software reengineering and refactoring? (Chapter 9)
 - iii. What problems do you think might arise in extreme programming teams where many management decisions are devolved to the team members? (Chapter 22)

2. Video and Coding Assignment:

- a. Watch the tutorial video for Microservice Tutorial. Choose one of the following options based on your programming language preference:
 - i. **Java** Programmer :
<https://www.youtube.com/watch?v=p485kUNpPvE>
 - ii. **Python** Programmer :
https://www.youtube.com/watch?v=ddrucr_aAzA
- b. Follow the tutorial instructions to code your project line by line. Once completed, commit your project to your GitHub repository. Provide the link to your repository in the **PDF** file and submit it on Blackboard.