

Software Engineering

Assignment for Week 3

Assignment for Lecture 3: Agile Software Development

Please submit a report with your answers to the following questions. (m5XXXXXX_lec03.pdf)

1. Describe the values advocated by the Agile Manifesto.
2. Explain how the principles underlying agile methods lead to the accelerated development and deployment of software.
3. When would you recommend *against* the use of an agile method for developing a software system?
4. Describe the methodology of test-first development in XP.
5. Explain why test-first development helps the programmer to develop a better understanding of the system requirements.
6. Suggest reasons why the productivity rate of programmers working as a pair might be more than half that of two programmers working individually.
7. Explain what Continuous Integration (CI) is and how it works.
8. Describe the difficulties and possible approaches to solving them when applying Agile to the development of a Large System.

Assignment for Presentation

You need to decide on your presentation theme (paper) from the “List of articles for presentation”. Please indicate your three favorite candidates in order of preference.

For the report, please provide titles of the articles. (m5XXXXXX_pre03.pdf)

Deadline

1 Week