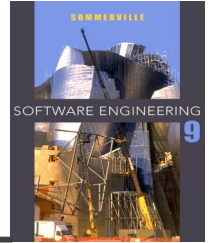
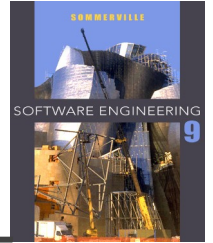


Introduction to Agile – Lab Exercises



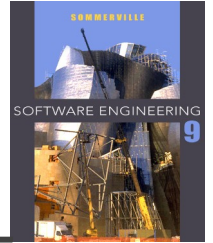
Answer the following introduction questions

Agile QUIZ - 1



1. What is now often the most important requirement for software systems ?
2. What process steps are inter-leaved ?
3. How are stakeholders involved in the process ?
4. What tools are used to develop User interfaces ?
5. What did dissatisfaction with the overheads involved in software design methods of the 1980s and 1990s lead to the creation of ?
6. *List the 2 key aims of Agile methods:*

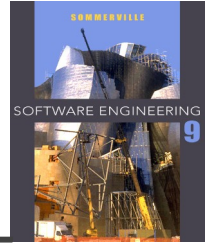
Agile QUIZ - 2



- Identify which Agile Principles the follow definitions refer to ?

- | | |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A | The skills of the development team should be recognized and exploited. Team members should be left to develop their own ways of working without prescriptive processes. |
| B | The software is developed in increments with the customer specifying the requirements to be included in each increment. |
| C | Focus on simplicity in both the software being developed and in the development process. Wherever possible, actively work to eliminate complexity from the system. |
| D | Expect the system requirements to change and so design the system to accommodate these changes. |

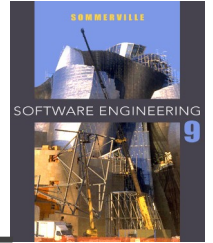
Agile QUIZ - 3



✧ TRUE OR FALSE

- Agile methods may be used for product development where a software company is developing a **small** or **medium-sized** product for sale
- Custom system development within an organization, where there is NO clear **commitment from the customer** to become involved in the development process
- There are NO problems in scaling agile methods to large systems

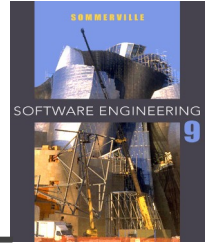
Agile Quiz 4



Most organizations spend more on maintaining existing software than they do on new software development. So, if agile methods are to be successful, they have to support maintenance as well as original development

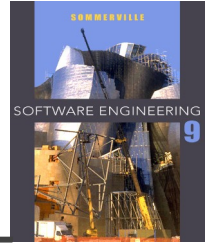
- 1) Explain what the Two key issues are in this process:
- 2) Why is it a problem if teams cannot be consistently maintained ?

Agile – Quiz 5



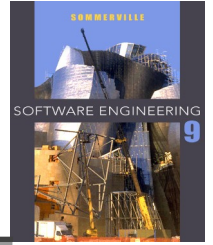
- 1) Explain the essential difference between Plan-driven and Agile development.
- 2) Do ALL projects include elements of plan-driven and agile processes ? Give 2 reasons for your answer
- 3) Which type of development is best suited to small team sizes ?
- 4) Which system is preferred when rapid feedback from the client is required ?

Agile – Quiz 6



- ✧ What is the best-known and most widely used agile method ?
- ✧ What are the commonly accepted 6 cycle steps of this method ? Draw a diagram to explain your answer.

Agile – Quiz 7

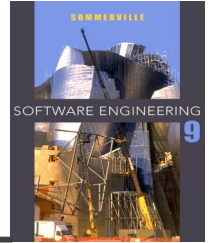


1. Explain what is meant by the following XP practices

- Refactoring
- Collective Ownership

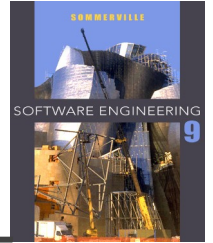
2. How does the XP approach impact the requirements for **Change** and **Maintaining simplicity** ?

Agile – User Stories 1



- ✧ Create a User story for a system to allow Registered Users on a Website to get product updates from the website
- ✧ **As a:**
 - ????
- ✧ **I want to:**
 - ????
- ✧ **So I Can:**
 - ????

Agile – User Stories 2



- ✧ Create a User story for a system to allow a System Administrator to prevent unauthorized logins from past employees
 - **As a:**
 - ????
 - **I want to:**
 - ????
 - **So I Can:**
 - ????