Software Engineering Concepts

General

Software Engineering Fundamentals

Requirement Analysis

Basics Of Testing

Software Maintenance

Configuration Management And Version Control

Introduction to Agile Technologies

Hands-On

Dashboard

Help Desk

Dashboard / Software Engineering Concepts / Requirement Analysis / Test Your Understanding

Started on	Sunday, 1 March 2020, 6:00 PM
State	Finished
Completed on	Sunday, 1 March 2020, 6:02 PM
Time taken	1 min 51 secs
Marks	6.40/8.00
Grade	**80.00** out of 100.00
Feedback	Congratulations!!! You have passed by securing more than 80%

Quiz navigation

1 ✓	2 ✓	3 ✓	4 ✓	5 ◉
6	7 ✓	8 ✓		

Show one page at a time

Finish review

Question 1

Correct

Mark 1.00 out of 1.00

⚑ Flag question

Which conforms that the software meets its technical specifications?

Select one:
- ○ a.
  Design
- ○ b.
  Validation
- ◉ c.
  Verification ✔
- ○ d. Defect finding

Your answer is correct.

Verification conforms that the software meets its technical specifications

The correct answer is:
Verification

Question 2

Correct

Mark 1.00 out of 1.00

⚑ Flag question

The software is put into operation in the client's environment. The client comes back to enhance the UI to attract more customers. This phase is called as _____
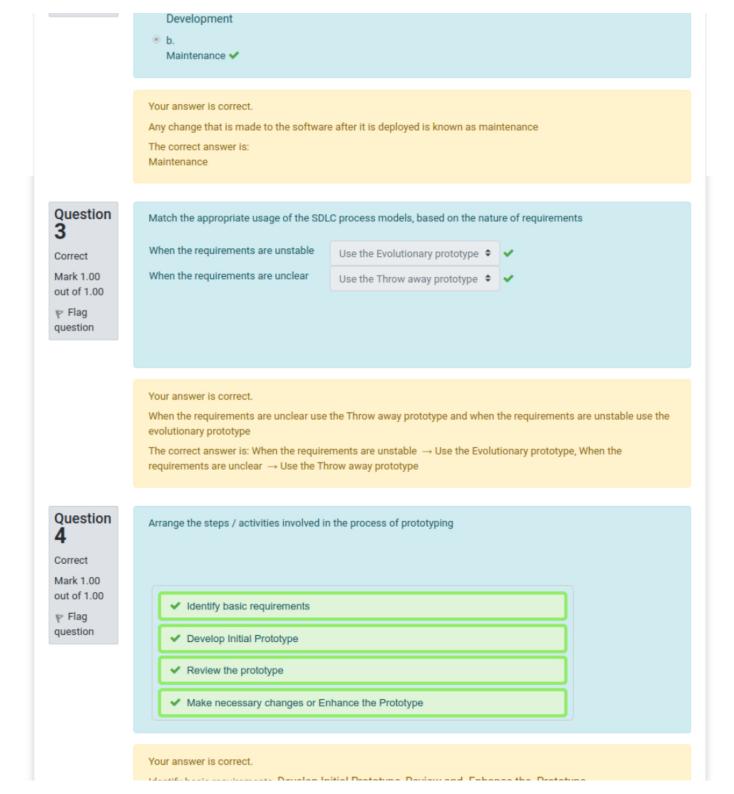
Select one:
- ○ a.

Development

◉ b.
Maintenance ✔

Question 3

Correct

Mark 1.00 out of 1.00

⚑ Flag question

Match the appropriate usage of the SDLC process models, based on the nature of requirements

When the requirements are unstable   Use the Evolutionary prototype ⬍   ✔

When the requirements are unclear   Use the Throw away prototype ⬍   ✔

Question 4

Correct

Mark 1.00 out of 1.00

⚑ Flag question

Arrange the steps / activities involved in the process of prototyping

✔   Identify basic requirements

✔   Develop Initial Prototype

✔   Review the prototype

✔   Make necessary changes or Enhance the Prototype

Identify basic requirements, Develop Initial Prototype, Review and Enhance the Prototype

Question 5

Partially correct

Mark 0.40 out of 1.00

⚑ Flag question

Match the phases of the Rapid Application Development model against their objectives

Business modeling

| Information gathered from business modeling is used to define data objects ⬍ | ✖ |

Testing and turnover

| New components along with all the interfaces are tested ⬍ | ✔ |

Data modeling

| Data objects are converted to achieve the business objective ⬍ | ✖ |

Process modeling

| The information flow is identified between various modules ⬍ | ✖ |

Application generation

| Automated tools are used to convert process models into the actual system ⬍ | ✔ |

Your answer is partially correct.

You have correctly selected 2.

Business modeling - information flow between various modules, Data modeling - define data objects, Process modeling - CRUD of data objects are determined, Application generation - convert process models into the actual system,Testing and turnover - new components are tested

The correct answer is:
Business modeling → The information flow is identified between various modules, Testing and turnover → New components along with all the interfaces are tested,
Data modeling → Information gathered from business modeling is used to define data objects,
Process modeling → Data objects are converted to achieve the business objective, Application generation → Automated tools are used to convert process models into the actual system

Question 6

Incorrect

Mark 0.00 out of 1.00

⚑ Flag question

High-risk or major functions are addressed in the first cycles there by delivering an operational product. Which of the SDLC process models achieves this?

Select one:
- ⦿ a. Spiral Model ✖
- ◯ b. Waterfall model
- ◯ c. RAD model
- ◯ d. Incremental model

Question 7

Correct

Mark 1.00 out of 1.00

⚑ Flag question

Beta technologies has undertaken a collision avoidance system software to be implemented for airports. Additional safety measures have to be automated by warning pilots when another aircraft gets closer, otherwise impacts are huge. Which of the following SDLC process models best suits the requirement?

Select one:

○ a. Waterfall model

○ b. V model

⦿ c. Spiral model ✔

○ d. Evolutionary prototyping model

Question 8

Correct

Mark 1.00 out of 1.00

⚑ Flag question

The student mark processing system software has been developed and deployed at the St. Peters university. The system shows the grade as 0 for all the students rather than the actual grade. Which phase below was not done properly during the SDLC?

Select one:

○ a. Software Design

⦿ b. Software Testing ✔

○ c. Software Maintenance

○ d. Software Analysis

Finish review