Day 40 DIY

Questions

1.John was looking at specific Software Development Life Cycle (SDLC) models to use in one of his projects. Later, he discovered that the project might require making some changes at some later stage of the software development life cycle. Which one of the SDLC models from his list does he need to rule out from consideration for this?

a)RAD Model b) Waterfall Model c)V-Model d)Agile Model

**answer;** D) Agile Model

2.Mike and his team finally got their first project from a particular client. The project is simple, where requirements for the project are fixed by the clients, and there is no scope for the requirements to get updated in the future. As it is Mike and his team’s first project, he wants to build it in a detailed step - by- step sequential manner, so he finally selected a software development life cycle model that fits his needs. Now Mike and his team have been following the phases of that life cycle model they had selected and have started developing the internal system structure/outline for all specified system requirements. Which phase is currently Mike and his team in?

a)Integration Testing Phase b)Architectural Design Phase c) Module Design

Phase d) Process Modelling Phase

**Answer**; Process Modelling Phase

3.You are developing software for supply chain management. Your choice of SDLC method is Waterfall. A co - worker decides to switch to the Agile Methodology y. Why is this switch a mistake need to rule out from consideration for this?

a) Delivering the application in parts renders it useless as the application must have 100% functionality to be approved.

b) All necessary and required tasks will be run and tested simultaneously, delaying the product delivery time.

c) The lack of thorough testing will lead to the production of products

with lowered levels of quality.

d) The initial designs and features might be unnecessary at the time of

project completion, which will be considered a monetary loss.

**Answer;** a)Delivering the application in parts renders it useless as the application must have 100% functionality to be approved.

4.You are developing software to map the spread of an epidemic and want to list the nearest healthcare centers and help facilities. The structure and type of assistance required are constantly changing, leading to continuous changes in your software design? What is the ideal SDLC model you must adapt to?

1. Agile b) Iterative c) Waterfall d)Scum

Answer; Agile

5. While developing a webpage, the model you choose to develop the required software necessitates the purchase of hardware in the early stages of designing the software. What model have you adopted?

a)Waterfall b)Incremental c)Kanban d)Iterative

**Answer;** a) Waterfall

6.You are developing a web application using the iterative model. The following represent the analysis and design at different stages. Design(0), Analysis(0), Design(1), Analysis(1), Design(2), Analysis(2).Which option accurately represents the flow of the software ?

a) Design(0)->Analysis(1)

Design(1)

->

Analysis(2)

b)Design(1)->Analysis(0)

Design(2)

->

Analysis(1)

c)Analysis(0)

->Design(1)

Analysis(1)

->Design(2)

d)Analysis(0)>Design(0)

Analysis(1)

->Design(1)

**Answer;** b)Design(1)->Analysis(0)

Design(2)

->

Analysis(1)

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7.What is a Feasibility Study?

**Answer;**

Four Type Feasibility Study

Techinical Feasibility

Market Feasibility

Organizational Feasibility

Financial Feasibility

8.Explain Level Design and Low-Level Design?

**Answer;**

|  |  |
| --- | --- |
| **High Level Design** | **Low Level Design** |
| Converts business requirements into high level solution | Converts High level solution to detailed solution |
| Also referred as macro level design | Also referred as micro level design |