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Life Cycle Model Quizizz

2. **Which statement best differentiates between verification and validation?**

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| a) Verification answers the question "Are we building the product right?", while validation answers "Are we building the right product?" | b) Verification ensures software compatibility with other systems, while validation ensures the software is free of bugs. |
| c) Verification is about testing the software, while validation is about reviewing the software's documentation. | d) Verification is done by end-users, while validation is performed by developers. |

3. **Which life cycle model combines risk-driven approach with iterative development, involving both development and risk assessment?**

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| a) Agile | b) Waterfall |
| c) Spiral | d) Evolutionary Prototyping |

4. In which SDLC phase is the software divided into smaller units to check the interaction between these units?
- a) System Testing
 - b) Validation Testing
 - c) Integration Testing
 - d) Unit Testing
5. **A tech startup is developing a new e-commerce platform. Given the rapidly changing market dynamics, they decide to use a methodology that allows them to release a basic version of their software quickly, gather feedback, and then incrementally update and improve it every couple of weeks. Which software development methodology best describes this approach?**
- a) Waterfall
 - b) Spiral
 - c) Agile
 - d) V-model
6. **A financial institution is updating its legacy banking system. The requirements are clearly defined and changes to these requirements are not expected. The institution emphasizes a thorough documentation process and desires to move from one phase of development to the next only after careful validation of each phase. Which methodology are they likely using?**
- a) Agile
 - b) Evolutionary Prototyping
 - c) Waterfall
 - d) Spiral
7. Scenario: The development team for a mobile application used the Agile methodology and has reached the deployment phase. After deployment, significant performance issues were discovered that were not identified during testing. What Agile practices could help address and prevent this issue in future sprints?
- a) Increasing the length of each sprint
 - b) Switching to the Waterfall model
 - c) Incorporating performance testing in continuous integration
 - d) Assigning more developers to the project
8. Which kind of mistake “adding developer to a late project” is?
- a) Not a mistake
 - b) Technology Mistake
 - c) People Mistake
 - d) Product Mistake
9. **Scenario:** In a project to develop a new customer relationship management (CRM) system, the team is currently working on organizing the system into distinct modules such as user authentication, client data management, and interaction tracking. They are also defining the interactions between these modules, such as data flow and service requests. Each module's responsibilities are being clearly outlined to ensure modularity and ease of maintenance. Which design phase are they in?
- a) Architectural Design
 - b) High level design
 - c) Low level design

Answer Keys

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| 1. n/a | 2. a) Verification answers the question "Are we building the product right?", while validation answers "Are we building the right product?" | 3. c) Spiral |
| 4. c) Integration Testing | 5. c) Agile | 6. c) Waterfall |
| 7. c) Incorporating performance testing in continuous integration | 8. c) People Mistake | 9. b) High level design |

