467 Quiz Answers

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Contents

Quiz 1

- **One of the ethical principles of the ACM/IEEE code of ethics is that software engineers shall be competitive, there is no need not be fair and supportive of colleagues.**: False

- **Software engineering is an engineering discipline that is concerned with all aspects of software production from the early stages of system specification through to maintaining the system after it has gone into use**: True

- **What are the fundamental types of software product?**: Generic and customized

- **computer science and software engineering are the same discipline**: False

- **Which of the following is not an issue of professional responsibility ?**: Salary

- **Which of the following is not a fundamental activity in software processes ?**: software estimation

- **Which of the following is not a general issue that affect many different types of software ?**: Value

- **Systems should be developed using a managed and understood development process: one process fits all.**: False

- **Which of the following is not an essential attribute of good software ?**: Affordability

- **Even when following all ethical principles, ethical dilemmas can occur.**: True

Quiz 2

- **Requirements engineering is the process of developing a software specification.** : True

- **One approach to reducing the costs of rework is "change anticipation", where the process is designed so that changes can be accommodated at relatively low cost.**: False

- **Programming is an individual activity with no standard process.**: True

- **It is increasingly irrelevant to distinguish between software development and evolution.**: true

- **Process descriptions may include pre- and post-conditions, which are statements that are true before and after a process activity has been enacted or a product produced.**: True

- **An advantage of the waterfall model is the ease of accommodating change after the process is underway.**: False

- **Agile processes are processes where all of the process activities are planned in advance and progress is measured against this plan.**: False

- **Component adaptation and integration is a key stage of which software process model ?**: Integration and configuration

- **Which of the following is not a stage of testing?**: Value testing

- **In the SEI Capability Maturity Model which level denotes that process improvement strategies have been defined and are being used ?**: Optimized

Quiz 3

- **Which of the following is not part of the Agile Manifesto ?**: comprehensive documentation over working software

- **In Srum,which term matches this definition: "An individual (or possibly a small group) whose job is to identify product features or requirements, prioritize these for development and continuously review the product backlog to ensure that the project continues to meet critical business needs"**: Product owner

- **Extreme Programming (XP) takes an 'extreme' approach to iterative development.**: True

- **In Extreme Programming, user requirements are expressed as user stories or scenarios. They are not documented but broken into tasks. These tasks are the basis of schedule and cost estimates.**: False i guess

- **Agile development is a plan driven approach.** : False

- **Which of the following is not a principle of Agile methods ?** : Process focus

- **Which of the following is not an example of re-factoring ?**: the coding of a low-level device driver in assembly language

- **In Pair Programming 2 programmers are paired up for the duration of the complete project.**: False

- **Scaling up' is concerned with how agile methods can be introduced across a large organization with many years of software development experience.**: False

- **Consider this description of programming practices: "Large amounts of overtime are not considered acceptable as the net effect is often to reduce code quality and medium term productivity" Which term is used in Extreme programming for this practice ?**: Sustainable pace

Quiz 4

- **The requirements engineering process can be viewed as a spiral.**: True

- **Which of the following is not a generic activity in the requirements engineering process ?**: Modeling

- **The system design model is generated during the requirements engineering process.**: False

- **Many agile methods argue that producing detailed system requirements is a waste of time.** : True

- **The software requirements document should set out WHAT the system should do rather than HOW it should do it.** : True

- **The requirements engineering process is an iterative process that includes requirements elicitation, specification and validation.**: True

- **Which of the following is not a problem in requirements elicitation ?**: Stakeholders know what they really want.

- **System managers cannot be system stakeholders.**: False

- **Which of the following is not a metric for specifying nonfunctional requirements ?**: Luck

- **Which of the following is not a type of requirement ?**: Environmental concerns

Quiz 5

- **In the context of graphical models incomplete and incorrect models are OK as their role is to support discussion.**: True

- **Which of the following is not an essential model when modeling systems ?:** Consequential model

- **UML activity diagrams may be used to define business process models.**: True

- **UML stands for Universal Manufacturing Model**: False

- **Which of the following should be in a tabular description of a use case ?:** Actors, decsription, data, stimulus, response, comments

- **A use case must have at least one actor.**: True

- **Each use case represents a discrete task that involves external interaction with a system.** : True

- **The notation "1..* at the end of an association between classes means ?:** at least 1 object participates in the association

- **Which of the following is not a UML diagram type ?:** Data flow

- **What is not usually shown on a sequence diagram ?:** Subclass

Quiz 8: After exam 1

- **Which item is not usually part of an architectural pattern description ?:** Cost

- **Architecture in the large is concerned with the architecture of individual programs. At this level, we are concerned with the way that an individual program is decomposed into components.:** False

- **Architectural design is concerned with understanding how a software system should be organized and designing the overall structure of that system.:** True

- **Which of the following is not an advantage of explicit architecture ?:** Performance improvement

- **The pipe and filter architectural pattern originated in the UNIX operating system.:** True

- **The 4+1 views of system architecture include:** logical, physical, deployment, process

- **The MVC architectural pattern contains:** Controller, view, model

- **Patterns are a means of representing, sharing and reusing knowledge:** True

- **Which of the following is not a question asked to make architectural decisions ?:** Which programming language should be used?

- **An architectural pattern is a stylized description of a new design practice, which has not been tried and tested yet.:** False

Quiz 9

- **Software design and implementation activities are never inter-leaved.**: False

- **Which of the following is not a common activity during the object-oriented design process ?**: Consider stakeholder constraints

- **Which of the following is not a level of reuse ?**: layer level

- **In object-oriented design you need a state diagram for all of the objects in the system**: False

- **Which of the following plays no role in the Observer pattern ?**: Bystander

- **Which of the following is not an approach to object indentification ?**: Scrabble

- **Who is Christopher Alexander ?**: influential architect and design theorist

- **A so-called "reciprocal" license means that if you use open source software then you must make that software also open source.**: True

- **A UML diagram type where objects are arranged horizontally across the top of the page is called ?**: Sequence diagram

- **A system context model is a structural model that demonstrates the other systems in the environment of the system being developed**: True

Quiz 10

- **Which of the following is not a stage of testing ?**: Equivalence testing

- **Which of the following is not part of development testing ?**: Acceptance testing

- **Which of the following is not a general testing guideline ?**: Avoid computation results to be too large or too small

- **Object class testing is a form of unit testing**: True

- **Verification means "Are we building the product right", whereas validation means "Are we building the right product".**: True

- **Program testing can reveal the absence of errors not their presence.**: False

- **Whenever possible, unit testing should be automated so that tests are run and checked with manual intervention**: False

- **Use cases developed to identify system interactions are not useful as a basis for system testing**: False

- **Software inspection is**: Concerned with analysis of the static system representation to discover problems

- **Which of the following is not usually subject to inspection as part of the verification and validation process ?**: System prototype