Reviews 8 complete You've finished your peer reviews Well done! You sent 8 peers feedback that will help them. If you have time, please review one or two more. Every review you do helps another peer complete the course! Your fellow learner has submitted their assignment anonymously and your review will be anonymous to them. All names are still visible to course instructors. Zenith Healthcare product 2.0 Update launch April 16, 2020 ♡ Like 🏳 Flag this submission PROMPT RUBRIC What software development methodology would you suggest for this situation and why? Did the learner identify "Known User Needs" or "Known Requirements" (or something similar) as Step 1: Start analyzing the scenario by identifying the characteristics of this situation one of the characteristics and specified the correct and **specify the logic** behind the selection of characteristics. For example, you may identify

• 0 pts "User Needs Unknown" as a characteristic Didn't identify this characteristic based on statement X, Y and Z in the scenario. Step 2: Select a model that best fits the Identified the characteristic but the logic / characteristics you identified in step 1. **Justify** reference statement used to support the your choice by providing by the logic behind characteristic was incorrect. The correct logic / your selection. For example, you may say that reference statement to support this characteristic since the scenario has characteristics X and Y, is "...with the exact same functionality. Thus, models A and B are potential candidates. Additionally, since the scenario has very well known and do not need to change" characteristic Z, model A is the best option. Situation analysis: Identified the characteristic and specified the a) Problem is well known: current architecture can't handle increasing product demand b) Solution is well known: relaunch product with a new scalable architecture capable of Did the learner identify "Known Solution" (or managing software demand. something similar) as one of the characteristics? c) Requirements are well known: there's no change in the client requirements, the clients feed back about 0 pts the product features is very good. Didn't identify this characteristic So this scenario fits perfectly with predictive models 1)Waterfall model, base on complete Identified the characteristic but the logic / product requirements and design. This model will reference statement to support this characteristic was incorrect. The correct logic / reference work perfectly with all its phase. designing a new statement to support this characteristic is "What architecture, develop, implementation, needs to be changed in the system to support test, deployment, and maintenance. 2) Sashimi model because it reduces time, and the the growing demand is also well understood" company needs 1 of the components to be deliver first. Using this model will help deliver value faster. Identified the characteristic and specified the While the PM and technical architect work with the requirements and design of the other components, correct logic the developing team could start working on the first component after receiving the requirements and designing. Did the learner identify "Benefit in deploying part of the product" (or something similar) as one of the Both models will benefit incorporating an incremental approach. Where you could divide work by component form start to finish or even better would be a variation where all the requirements Didn't identify this characteristic would be done in one fase guaranteeing the new Identified the characteristic but the logic / reference statement to support this characteristic was incorrect. The correct logic / reference statement to support this characteristic is "  ${\bf Out\ of}$ the 4, one of them has caused the most pain and organization could benefit greatly if that component could be replaced first with a new, highly scalable architecture." Identified the characteristic and specified the correct logic Did the learner select the right model for the scenario and provide the correct logic? Learner selected a model that is ill-suited to this situation like the Spiral Model, the V-Model, Sashimi, or the Waterfall method Learner selected a model that will work but is not the preferred model (e.g. "Unified Process") Learner selected the right model: the Incremental Model • 3 pts Learner selected the right model and the right variation of it: the most basic incremental model -- all phases are completed in each increment. This allows us to replace the most pain-inducing component as fast as we can. 4 pts Learner selects the right model and specifies the right logic behind the selection: "Out of the 4, one of them has caused the most pain and the organization could benefit greatly if that component could be replaced first with a new, highly scalable architecture." What is the overall quality and detail of the response and the facts supporting the response. Little detail Enough detail Enough detail with additional, out-of-thebox/creative thinking Any other open feedback for this question? PROMPT RUBRIC For the selected model, take us through a simulated / fictitious journey on how this project will be Does the story supports the model selected by the completed all the way from defining requirements to deployment. You are free to make up characters as you feel appropriate to fit your story. Please watch the video on" Model Selection" to get an idea. The The story does not supports the model selected video stays at high level, but you can go in further by the learner details as you feel necessary. In your story, please make sure to talk about artifact and practices followed by the team on this project. Identified the characteristics but logic / reference statement to support this characteristic were After finishing all the proper project meeting with the incorrect. The correct logic / reference statement stakeholders, decision makers and receiving all to support this characteristics is "Also, college pertinent documentation. The Project Manager establish a initial meeting to introduce the project leadership has some idea on what to build but not sure what exactly are college needs in and general idea with the team. After discussing the scope the teams agrees the best approach is a Sashimi incremental model. Where they would in smaller groups to achieve faster results and work The story was very detailed and complete (covers all artifacts and ceremonies of the model more efficiently with the geographic constrains. They also decide in the over all architecture that would affect all components 3 groups: Group 1 = Project Manager and technical Architect The story was very creative and covers things that (requirements and architecture design) weren't taught in the course but applicable to this Group 2 = Developers (in charge of implementing and Group 3 = Design test, build studs and Testing components (regressions , etc) Group 1 would hand out all the proper documentation detailing the over all architecture and the specifics of the component in hand to the developer team leader and the testing team leader, this process would be repeated for every In turn group 2 would build and implement each component and hand it to the testing team, simultaneously group 3 would design and build all test and studs relevant to each component. Once group 3 received a finalized component would test for error and performance, if tests fail component is hand back to group 2 for corrections, if tests are passed then components is deployed. Example of work flow Requirements & Design Component Dev & Implantation Component Component 3 Component 4 Testing Component 4 Deployment Component Component 2 Component 3 PROMPT RUBRIC What kind of testing would you suggest the team to do? Be sure to justify your answer. Are the types of testing suggested by the submission appropriate for the example? Incremental Testing, Unit Testing,
Performance and security tests There are no suggested types of testing. All components should be tested individually and then together, adding them one 5 pts by one. Example, component 1 is finished and tested. Some types of testing are listed, but no attempt is The test is saved. component 2 is finished and tested, then added made to justify them, right or wrong. to component 1 and tested together, and so on. Some types of testing are listed, some are right but most are wrong. The justification does not do a good job of explaining why these types of testing are needed. Types of testing listed make sense for the project (with at most one exception), but the justification does not do a good job of explaining why they are necessary. Types of testing listed make sense for the project (with at most one exception), but the justification only does a mediocre job of explaining why they are necessary. Types of testing listed make sense for the project exception), and the justification provided makes sense (with at most one exception). The types of testing listed are perfectly applicable to the project, and these types of testing are fully PROMPT RUBRIC Write a few example of test cases or a descriptive Do the test cases or narrative provided make sense narrative for what you expect the testing team to use relative to the project at hand? when testing this product. There are no test cases or narrative 1. Regression testing 2. Write Stubs 3. Back to Back Testing Test cases or a narrative exist, but is either not at 4. Black and white box testing all clear or completely misses the point of the assignment. Some test cases or a brief narrative appears, but only applies to the project in a tangential way (is mostly off-topic, hardly related, etc.) Test cases provided are not fully described (e.g. they are missing expected output); the narrative merely lists ways of testing which are generic or the definition of the type does not apply them to this specific project. Test cases exist but are not considered comprehensive; Narrative only applies to the project partially, or is incorrect in some major way Test cases exist and are nearly comprehensively descriptive; Narrative applies but has mistakes which affect applicability/understandability Test cases included are excellent; Narrative clearly explains the how the testing should be approached. Submit Review Comments

hare your thoughts...

Waterfall Models
Incremental Models

Applying traditional software development models

Video: Applying Software Development Models 13 min

Quiz: Traditional Software Development Models 11 questions

Review Your Peers: Project Scenario

Video: Phase Gates / Stage Gates

Peer-graded Assignment: Project Scenario 1