

Agile Fundamentals

Agile Frameworks

Model Comparisons and applicability

Course Wrap up

Quiz: Agile & Lean Software Development  
10 questions

Peer-graded Assignment: Project Scenario 2  
2h

Review Your Peers: Project Scenario 2

Video: What Next?  
41 sec

Peer-graded Assignment: Project Scenario 2

Reviews 15 complete

You've finished your peer reviews  
Well done! You sent 15 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.

develop school system.

by Anonymous Learner  
March 26, 2018

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<p><b>PROMPT</b></p> <p>What software development methodology would you suggest for this situation and why?</p> <ul style="list-style-type: none"><li>Step 1: Start with analyzing the scenario and <b>identifying characteristics</b> of this situation and <b>specify logic</b> behind the selection of characteristics. Example: You may identify "User Needs Unknown" as a characteristic based on statement x, y and z in the scenario.</li><li>Step 2: Map the characteristics to <b>selection of model</b> and <b>provide your logic</b> to make that conclusion. For e.g. you may say that since scenario has x and y characteristic, model A and B would be potential candidate. Additionally, since scenario has characteristic z, model A would be best option.</li></ul> <p>Requirements: • Transition from manual business process model to automated. • Keep tuition in check online. • Provide quality service for students and faculty Constraints: • No verified requirements; • User needs are not 100% determined and clear. • Limited budget • Inexperienced IT department; Identifying Characteristics: • Requirements are not clearly known • College wants to benefit by releasing the software multiple times by adding functionality after every release. • The IT department works closely with a group from various departments that help the IT department to define and drive development. On the basis of these requirements, we can say that Incremental Model can be used. However, due to emphasis on collaboration with the college department group (client), and also, due to the budget being split up into 5 year period of time, that means that the project budget will be received in increments, therefore we could assume that the work will be done in parts, we should implement the development using Agile Software Development methodology. Since Agile Development methods are also incremental in nature, we shall implement this using Scrum which is a part of Agile development process.</p>	<p><b>RUBRIC</b></p> <p>Did the learner identify <b>"Vague Requirements"</b> (or something similar) as one of the characteristics and specified the correct logic?</p> <p><input type="radio"/> 0 pts Didn't identify this characteristic</p> <p><input type="radio"/> 1 pt Identified the characteristics but logic / reference statement to support this characteristic were incorrect. The correct logic / reference statement to support this characteristics is <b>"Also, college leadership has some idea on what to build but not sure what exactly are college needs in terms of automation"</b></p> <p><input checked="" type="radio"/> 2 pts Identified the characteristic and specified the correct logic</p> <p>Did the learner identify <b>"New Technology"</b> (or something similar) as one of the characteristics and specified the correct logic?</p> <p><input type="radio"/> 0 pts Didn't identify this characteristic</p> <p><input type="radio"/> 1 pt Identified the characteristics but logic / reference statement to support this characteristic were incorrect. The correct logic / reference statement to support this characteristics is <b>"The IT department has lot to learn in terms technology to build this system."</b></p> <p><input checked="" type="radio"/> 2 pts Identified the characteristic and specified the correct logic</p> <p>Did the learner identify <b>"Need to deliver value early"</b> (or something similar) as one of the characteristics and specified the correct logic?</p> <p><input type="radio"/> 0 pts Didn't identify this characteristic</p> <p><input type="radio"/> 1 pt Identified the characteristics but logic / reference statement to support this characteristic were incorrect. The correct logic / reference statement to support this characteristics is: <b>"College wants to reap the benefit of automation as it is being built and use feedback from system users to guide future automation efforts"</b></p> <p><input checked="" type="radio"/> 2 pts Identified the characteristic and specified the correct logic</p> <p>Did the learner identify <b>"Clients or Business available to work closely with development team"</b> (or something similar) as one of the characteristics and specified the correct logic?</p> <p><input type="radio"/> 0 pts Didn't identify this characteristic</p> <p><input type="radio"/> 1 pt Identified the characteristics but logic / reference statement to support this characteristic were incorrect. The correct logic / reference statement to support this characteristics is: <b>"College has formed a group from various departments of college that will help define and drive the development. This group will work closely with IT department on this effort."</b></p> <p><input checked="" type="radio"/> 2 pts Identified the characteristic and specified the correct logic</p> <p>Did the learner select the right model for the scenario and provided the correct logic</p> <p><input type="radio"/> 0 pts Learner selected a model that may be very unnecessary for this situation like V-Model, Sashimi or Waterfall method</p> <p><input type="radio"/> 1 pt Learner selected the model that will work but is not the preferred model e.g. "Unified Process"</p> <p><input type="radio"/> 2 pts Learner selects the right model – Agile Model</p> <p><input type="radio"/> 3 pts Learner selects the right model and right variation of it which could be scrum in this case.</p> <p><input checked="" type="radio"/> 4 pts Learner selects the right model and specify the right logic behind the selection: Need to iterate due to 1) Unknown needs 2) Unknown Technology 3) Need to deliver value earlier. Since business is available to collaborate closely with development team, it validates one of the assumption before using agile methods</p> <p>What is the overall quality and detail of the response and supporting facts for the response.</p> <p><input type="radio"/> 1 pt Little details</p> <p><input type="radio"/> 2 pts Enough Details</p> <p><input checked="" type="radio"/> 3 pts Enough detail with additional and out of the box / creative response</p> <p>Any other open feedback for this question?</p> <div>ok</div>
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<p><b>PROMPT</b></p> <p>For the selected model, take us through a simulated / fictitious journey on how this project will be done all the way from requirements to deployment. You are free to make up characters as you feel appropriate to fit your story. Please watch the video on Applying software development models to get an idea. The video stays at high level. You can go in further details as you feel necessary. In your story, please make sure to talk about artifact and practices followed by the team on this project.</p> <p>1-Initially the head team with Team Lead,IT team and group from college department people shall hold a meeting/brainstorming session to evaluate the feasibility of the proposed development model. 2 the model is found to be feasible, the requirements of the development process shall be analysed for a few weeks by the QA persons. 3 IT team and group from college department people sit to discuss the functionalities to be added in this release and the ones to be added subsequently. The development team can develop the modules according to their priority as to how much does the college benefit from developing a given module.The automation will start with processes that impact the students for e.g. admissions, class registration, grading, learning management system etc.. 4 Subsequent coding is done for all the modules. 5.The testing team now tests the developed modules with several different test cases and check if the modules pass the tests. In case of modules failing the test cases, the are designed /developed and tested again and again till they pass all the tests. The test cases are mainly related to the privacy and security of the system. eg: If valid credentials like roll number and password are provided only then the user is allowed to access the software. 6.The software can now be released with essential functionalities and subsequent releases add functionalities to the system. Subsequent features can be added in later releases. Since Scrum is being used for the development process, the process can be divided into sprints and staff meets can be organized accordingly to track the progress of each sprint.</p>	<p><b>RUBRIC</b></p> <p>Does the story supports the model selected by the learner?</p> <p><input type="radio"/> 0 pts The story does not supports the model selected by the learner</p> <p><input type="radio"/> 1 pt The story supports the model selected</p> <p><input type="radio"/> 2 pts The story was very detailed and complete (covers all artifacts and ceremonies of the model selected)</p> <p><input checked="" type="radio"/> 4 pts The story was very creative and covers things that weren't taught in the course but applicable to this scenario.</p>
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