

Peer-graded Assignment: Project Scenario 2

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Project_Scenario_2

by Anonymous Learner
April 10, 2022

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<p>PROMPT</p> <p>What software development methodology would you suggest for this situation and why?</p> <ul style="list-style-type: none">Step 1: Start with analyzing the scenario and identifying characteristics of this situation and specify logic 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.Step 2: Map the characteristics to selection of model and provide your logic 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. <p>The client's requirements are only known in part at the start. Certain functions, such as class registration, grading, and learning, are known and where they intend to begin. Due to budget and resource constraints, they plan to eliminate human operations and apply automation during the next five years. Because security and privacy are important priorities for the college, avoiding potential attacks and protecting students is a top priority.</p> <p>I would use the Kanban framework because the principles and attributes may be established in advance. The team lead can prioritize the backlog and define requirements with the help of QA and developers. Before implementation and verification, create a design to show to the college. The key is to be flexible. Thus, elements from the SCRUM approach should be used; using SCRUM daily meetings will focus on what has been done so far and what will be done daily, but without the requirement to complete it on a 1-4 timeline. It can, however, be modified if necessary, such as when security features must be developed and deployed.</p>	<p>RUBRIC</p> <p>Did the learner identify "Vague Requirements" (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 "Also, college leadership has some idea on what to build but not sure what exactly are college needs in terms of automation"</p> <p><input type="radio"/> 2 pts Identified the characteristic and specified the correct logic</p> <p>Did the learner identify "New Technology" (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 "The IT department has lot to learn in terms technology to build this system"</p> <p><input type="radio"/> 2 pts Identified the characteristic and specified the correct logic</p> <p>Did the learner identify "Need to deliver value early" (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 "College wants to reap the benefit of automation as it is being built and use feedback from system users to guide future automation efforts"</p> <p><input type="radio"/> 2 pts Identified the characteristic and specified the correct logic</p> <p>Did the learner identify "Clients or Business available to work closely with development team" (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 "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."</p> <p><input 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, Sahimi 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 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 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></div>
<p>PROMPT</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>Due to time and money constraints, the college has some thoughts on what they need and want from the project; the time range they are looking for execution is known, so a plan and body of work may be established in advance. When it comes to model selection, being Agile will allow the team to be flexible, change methods, and design while working with the 55 developers, QAs, and, if needed, the local company supplying more resources.</p> <p>To keep the link between the components vital, software coupling will need to be tight; if any inheritance is done from the existing architecture, the cohesion is also maintained.</p> <p>When it comes to testing, more resources should be deployed and used; they may test the various components for feedback, detect faults, and stress test for security issues and hackable chances. This will check and push the operation/maintenance development, allowing for adjustments if necessary. b.</p> <p>In this case, being adaptable and iterative will be crucial. As there is an idea, but it isn't filled out, initial versions may need to be developed, tested, feedback obtained, and the version revised again; this is where the additional resource might be useful and helpful.</p>	<p>RUBRIC</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 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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