

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 9 complete

You've finished your peer reviews
Well done! You sent 9 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.

Automating Systems at School of Arts(like admissions, Learning and management systems etc.)

by Anonymous Learner
April 13, 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>Identification of characteristics</p> <p>1. The needs of users are not well understood and are much subject to change.</p> <p>The college administration has a notion of what to create, but they are unsure of what exactly the college needs in terms of automation.College wants to reap the benefits of automation as it is being developed and use system user input to drive future automation initiatives.</p> <p>2. Solution is also unknown. They are looking for Innovations in their technology.</p> <p>The college administration is unsure of what they require. In terms of automation, the state is pressuring the college to catch up to the rest of the country's colleges. Automation also benefits college administration, which seeks to keep tuition low and provide better service to students and teachers. As a result, the college plans to automate the majority of its activities over the next five years. Admissions, class registration, grading, learning management systems, and other operations that have an influence on students will be the first to be automated.</p> <p>3. Low budget and in-house development with little or no hiring from outside.</p> <p>The college does not have a budget to reduce the schedule and prefers to handle most of the automation in-house with the help of hired consultants as needed. In the next five years, the college hopes to automate the majority of its processes. To begin, the project's development team consisted of five people. Three QAs and a Team Lead are on the team. Notwithstanding the fact that the group has signed a deal with a local firm to supply extra resources when needed.</p> <p>4. The College wants a highly secure solution. Some of the key things identified for this software are the privacy and security concerns. The situation statement later clearly states that college wants to make sure that systems can't be hacked and only the right people have access to the info.</p> <p>5. The institution has organized a panel made up of representatives from many departments to help define and drive the development. On this project, this group will collaborate closely with the IT department.</p> <p>Recommendation.</p> <p>Based on the characteristics, I believe Agile-based Models, Unified Processes, and Agile-based Unified Processes are three excellent options in this case. This project tends to be a bit of a risk. All of the requirements are unclear, and there is a desire to give value as quickly as possible. All of these elements point to an unified process or agile methodologies.</p> <p>Both the Unified Process and the Agile Model are focused on risk mitigation, learning while doing, continuous improvement, encouraging change, providing a decent product with good reusability, and supporting both iterative and incremental approaches, which will be extremely beneficial in this project. All of them are adaptable models with a lot of flexibility.</p> <p>These models come with a complex environment in which the success of the project is heavily reliant on the active participation of stakeholders. However, this project also supports that, so any of these models will be a good fit. However, if I had to choose one, the Agile Model would be the greatest option.</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 checked="" 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 checked="" 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 checked="" 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 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, Sshim 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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