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Agile Fundamentals Agile Frameworks Model Comparisons and Course Wrap up Quiz: Agile & Lean

Software Development

Review Your Peers:

✓ Video: What Next?

Peer-graded Assignment: Project Scenario 2

Congratulations. You earned 17.5 / 19 points. Review the feedback below and continue the course when you are ready. You can also help more peers by reviewing their submissions

Instructions My submission

Discussions

School

Submitted on August 6, 2020

What software development methodology would you

suggest for this situation and why?

- 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.
- Statement, X, and x, the Stelland. Step 2: Map the Characteristics to selection of model and provide your logic to make that conclusion. For eg, 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 portion. best option.

- . There is no big funding for this project and it is a long project ("College do not have budget to shorten the timeframe")
- . The school does not know what to build yet but they have ideas ("college leadership has some idea on what to build but not sure what exactly are
- college needs in terms of automation")
 The school wants an adaptive model to gain feedback while building so that the product will be released as soon as possible ("College wants to reap the benefit of automation as it is being built and use feedback from system users to guide
- future automation efforts.")

 The system will serve the core business and people of the school. And both teams work closely together ("College has formed a group from various departments of college that will help
- define and drive the development.")

 The system will require good security ("College wants to make sure that systems can't be hacked and only the right people have access to the info.")
 A small team but having all member required to
- develop a solution ("5 developers, 3 OA and a Team Lead. Organization had signed a contract with a local company to provided additional resources when needed")
- => Untested user need
- => Need to learn new technology or buy other service

I would recommend the Lean startup model with Agile mindset for the following reasons

- School does not know what to build exactly School needs a model to validate the idea fast
- School needs an adaptive model
- · There are no need to compete aggressively with
- other competitors

 There are 5 years to build and measure with a small team
- There are 5 years to learn new things after measurement and build the next things

Did the learner identify "Vague Requirements" (or something similar) as one of the charac specified the correct logic?

- Didn't identify this characteristic
- 1 point . 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
- Identified the characteristic and specified the correct logic



Did the learner identify "New Technology" (or something similar) as one of the characteristics and specified the correct logic?

- Didn't identify this characteristic
- 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.
- 2 points Identified the characteristic and specified the correct logic



Did the learner identify "Need to deliver value early" (or something similar) as one of the characteristics and specified the correct logic?

- Didn't identify this characteristic
- 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' 2 points . Identified the characteristic and specified the correct logic



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?

- 0 points Didn't identify this characteristic
- 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. Identified the characteristic and



Did the learner select the right model for the scenario

and provided the correct logic 0 points Learner selected a model that may be very unnecessary for this situation like V-Model, Sashimi or Waterfall method 1 point Learner selected the model that will work but is not the preferred model e.g. "Unified 2 points Learner selects the right model -- Agile Model 3-points +3.5 pts because of a tie

Learner selects the right model and right variation of it which could be scrum in 4 points Learner selects the right model and specify the right logic behind the selection: Need to iterate due to Assert 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 What is the overall quality and detail of the response and supporting facts for the response 1 point Little details 2 points Enough Details Enough detail with additional and out 3 points of the box / creative response Any other open feedback for this question? KANCHARLA SREENIVASA REDDY Very good triveni nitturi •

PROMPT

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.

First Iteration:

Learn:

Assumption: People want to submit their files to apply for the school

Experiment: create a website with a very simple admission first with other add-on and 3rd party software like Google Suite and see if people actually submit their files

Split into 2 teams, we can use Agile mindset here to split the tasks and WIP for 2 teams. Preferably will be 3 WIPs. Eg: develop the mapping storage databases, develop the UI for storage, tested log in, logout UI.

Measure: how many application do we receive and the feedback of the system from the users by counting how many ticket from the support

Please note:

We can do something like the Sashimi model here. For example, the design and administrator team can dot Learn phase first. After that, they can pass it to the Build team and do the learning process for the next Iteration. Also, even the team is doing and preparing the future iteration. They still have to attend the Scrum meeting, get the update and give feedback to the work. We will need less documentation for this project because we will interact with the stakeholders many times during the Iteration and especially in the measure process.

This feature is not timing critical and it should not need high security but rather more convenient than email. Thus, we can assign the team to do and test this then push the product in action as soon as possible.

Second iteration:

Learn: Assumption: People want to do class registration. So the team will need to talk about how the school designed the class and determine the technical architecture for it. They can even adopt another 3rd party as they did some contract outside. Build: Create a video showing how it works and give a link to sign up the beta version while building it. Building this feature will require more time because there are a lot of issues to deal with like security, performance, validation from the business ideas. Metric: The number of people sign up for the beta version of the class registration while using the legacy

RUBRIC

Does the story supports the model selected by the learner?

- 0 points
 The story does not supports the model selected by the learner
- 1 point The story supports the model selected
- 2-points +3 pts because of a tie The story was very detailed and complete (covers all artifacts and ceremonies of the model selected)

1

4 points
 The story was very creative and covers things that weren't taught in the course but applicable to this scenario.



6 P P