



## Scrum Overview

## Sprint Planning and Tracking

## Sprint Review, Retrospective and Sprint Execution

- Video: Sprint Execution and Daily Standups 4 min

- Video: Sprint Review 3 min

- Video: Sprint Retrospective 5 min

- Practice Quiz: Sprint Review, Retrospective and Execution 4 questions

- Quiz: Scrum 10 questions

## Mid course assessment

- Peer-graded Assignment: Applying the Agile Mindset and Techniques Grading in progress

- Review Your Peers: Applying the Agile Mindset and Techniques

## Peer-graded Assignment: Applying the Agile Mindset and Techniques

Review by Aug 19, 11:59 PM PDT

Reviews 3 left to complete

## WEEK 3

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August 12, 2020

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## PROMPT

Blue Bank has always used the traditional waterfall method to deliver IT projects. Harold Johnson and the company leadership have suggested that you also use traditional methods to build the software. You have a different idea. You think agile would be better for this situation.

In the space below, make a case to Harold as to why we should switch to agile (explain why using agile is a better choice for this project/situation). Be sure to support your argument by referring back to the case study text.

## RUBRIC

Please rate the overall quality of the response?

- 0 pts Invalid arguments
- 1 pt Valid arguments presented, but they are not complete
- 3 pts Valid and complete argument presented, but some of the supporting details are incorrect.
- 5 pts Valid arguments, covering all aspects; very convincing.
- 9 pts Valid argument that is complete and correct. In addition, had some out of the box reasoning, quoted some statistics to prove the point and quoted some benefits from the agile survey mentioned in the videos.

In the answer to part 1 of the question, did the learner identify **"speed to market"** (or something similar) as one of the characteristics? Did the learner specify the correct logic (using this to correctly support choosing agile)?

- 0 pts Didn't identify this as one of the reason for choosing Agile.
- 1 pt Identified this as the reason for choosing Agile, but the explanation was not appropriate.
- 2 pts Identified this as the reason for choosing Agile, and the explanation was appropriate.

In the answer to part 1 of the question, did the learner identify **"Unknown solution"** or **"Learning needed around technology"** (or something similar) as one of the characteristics and specified the correct logic?

- 0 pts Didn't identify this as one of the reason for choosing Agile.
- 1 pt Identified this as the reason for choosing Agile, but the explanation was not appropriate.
- 2 pts Identified this as the reason for choosing Agile, and the explanation was appropriate.

In the answer to part 1 of the question, did the learner identify **"unknown user needs"** (or something similar) as one of the characteristics and specified the correct logic?

- 0 pts Didn't identify this as one of the reason for choosing Agile.
- 1 pt Identified this as the reason for choosing Agile, but the explanation was not appropriate.
- 2 pts Identified this as the reason for choosing Agile, and the explanation was appropriate.

Any other feedback you have for the learner in terms of the quality, completeness, or correctness of the response?

Need rework



Input is blank.

## PROMPT

## RUBRIC

Your computer's timezone does not seem to match your Coursera account's timezone setting of America/Los\_Angeles.  
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Assume Harold liked your argument and agreed to proceed with agile on this project. In his reply, Harold asked for further guidance on how to move forward. Please reply back with the following:

1. What things will have to change on how this team operates and how key stakeholders interact or engage on this project. (Hint: as you have learned, for agile to be successful there are certain prerequisites and it poses certain challenges for leadership/business stakeholders as well)
2. The team is new to Agile and based on prerequisites for agile to be successful, please specify if you and your team need any help or training etc. if none, please state that.

**Executive Summary:** The new service is named 'Remote Deposit Capture' to be integrated in bank services, should make use of agile method instead of the traditional method for building software product. Current Process suggests: As suggest by Harold Johnson and the company leadership that using the traditional methods to building the software product.

**Reason to change:**

Agile methodology is adapting to changing and iterative. This method solves problems that were faced in traditional approaches like-

- Detected translation issues and integration issues first.
- Validating the user's needs in earlier phase.
- Continuous development.

**Risks:**

Issues we face when we use traditional approach :-

- The traditional approach following sequential approach it is quite difficult to the building in earlier phases fails.

Once development team encounters a roadblock It is difficult to make any changes.

- For example: If we are building software using traditional approach and on last stages if there need to do priority change in one of functionality then it is difficult to get required results and hence customer satisfaction is less and chances of failure is more.

**Recommendation:**

We as a team recommend to use agile methodology to build this software.

Here are some benefits of using agile method as follows:-

- This is adaptive method includes-
  - 1. Welcome change
  - 2. Technical excellence and good design
  - 3. Continuous improvement and improve software quality
  - 4. Detect translation issues and integration issues early.
  - 5. Validate user needs in earlier phase.
  - People and interaction includes-
  - 1. Business and developer works together
  - 2. Face to face conversation
  - 3. Motivate individuals and self-organizing teams etc.
- Thus agile is better option to build software as per our teams view.

**Approval Request:**

As explained above we as a team think that agile method is better way to build software than traditional approach.

Please review our request and approve the same.

**Prerequisites**

- Close collaboration with business and users is required. Throughout the project business people and developer must work together everyday .
- For giving the information to and within team face-to-face conversations is to be done. Daily stand-ups need to be run stating what was done yesterday, what is todays plan and issues of any.
- Team setup to digest change i.e. being adaptive to the changing and should be able to welcome changing environment even in last stages of development.
- Iterative and continuing improvement

Challenges that are barriers for agile adoption

- Team having lack of experience with agile methods
- Insufficient training
- Resistance to change and inconsistent agile methods and practises.
- Lack of management support

In terms of adopting agile as stated team does not have experience in mobile development, agile methodology and UAT along with engineering practices like automated testing etc.

In order to be successful in this project using agile methodology team must undergo following training before starting project planning-

- Software development using agile method training
- Mobile development
- Various engineering practices which are required for project like performance testing, automated testing, continuous integration etc.

Insufficient training is one of the barrier in agile adoption hence team must undergo training.

Did the learner identify that team members currently sit on different floors, and, for agile to succeed, it will be beneficial to get the entire team to sit/work together.

- 0 pts  
Didn't identify this need.
- 2 pts  
Identified the need, but didn't give the correct argument.
- 4 pts  
Identified the need and gave the correct argument.
- 5 pts  
Identified the need, gave the correct argument, and suggested a potential solution. The solution included details like establishing a team room, etc.

Did the learner identify that business stakeholders currently sit in a different building and in agile they have to engage with the development team throughout the process? Business stakeholders cannot just hand-off requirements to the team. To succeed, these stakeholders must collaborate with the development team on daily basis.

- 0 pts  
Didn't identify this need
- 2 pts  
Identified the need but didn't give the correct argument
- 4 pts  
Identified the need and gave the correct argument
- 5 pts  
Identified the need, gave the correct argument, and suggested a potential solution. The solution included details like setting sessions to discover user needs, etc.

Did the learner specify training needs in terms of user experience, performance testing, and some agile coaching?

- 0 pts  
Didn't identify this need.
- 2 pts  
Identified the need but didn't give the correct argument.
- 4 pts  
Identified the need and gave the correct argument.
- 5 pts  
Identified the need, gave the correct argument, and suggested a potential solution and additional details.

Did the learner specify the need for training in engineering practices and specify that, unless team is setup for change (i.e has engineering practices in place), it will difficult to succeed in agile.

- 0 pts  
Didn't identify this need.
- 2 pts  
Identified the need but didn't give correct the argument.
- 4 pts  
Identified the need and gave the correct argument.
- 5 pts  
Identified the need, gave the correct argument, and suggested a potential solution and additional details.

Please rate overall quality of the response?

- 0 pts  
Invalid argument.
- 1 pt  
Valid argument, but not complete.
- 2 pts  
Valid, complete argument, but some of the supporting details are incorrect.
- 3 pts  
Valid argument, covering all aspects, and very convincing.
- 4 pts  
Valid, complete, and correct argument. In addition, had some out of the box reasoning, and also quoted some additional details to support arguments.

Any other feedback you have for the learner in terms of the quality, completeness, or correctness of the response?

Need rework

#### PROMPT

Harold is pretty impressed by your response and has approved all of your recommendations in previous two responses. He then re-iterated the key criteria for success and asked you if you and his management team should expect anything different from this project in terms for tracking and status updates.

Are there any project constraints laid out in the case study that need to be changed/managed since you will be using agile and, in agile, planning, estimation and

#### RUBRIC

Did the learner identify that agile approaches to estimation, planning and tracking are different, so management should expect to engage with the team differently?

- 0 pts  
Didn't identify this.

tracking happens differently?

*Hint:* The case study implies certain project constraints/expectations around cost, timeline, other factors that need to be managed/changed.

Planning in Agile:

- Product backlog created means create list of user stories need to be done and rank them as per the priority. (High level Architecture)
- Priority list them to be done in release 1 as released planning.
- Breakdown stories into small tasks and make sprint planning (sprint is the 1-4 week duration)
- Sprint cycle in every 24 hrs there should be daily stand up stating what was done yesterday?, what is plan for today?, and issues if any.
- Sprint finishing, sprint review meeting is scheduled with stakeholders and team to explain work done and get feedback from stakeholders.
- One more meeting should be scheduled after the sprint is over, is sprint discussion is done among team members discussing what went well what did not went well and what can we do better.
- Track of sprint team uses following methods:
  - Burn down chart - It shows amount of work left over the days
  - Burn up chart - It shows amount of work done and total work.
  - Task board -Table containing to do, in progress, done tasks list.

Estimation in Agile:

- Development team does the estimation process.
  - Estimation process has three methods any one can be used - Free form, Planning poker and card sorting.
  - Efficient one is card sorting - In this method smallest card is placed at left and largest at right.
  - Silently team will put story cards in between these, stack same size stories vertically.
  - Discuss changes, create buckets and assign size to buckets and do estimation.
  - Calculating velocity is one the way to estimate next sprint velocity by taking velocity of last sprint or average of last x sprints or velocity range of last x sprints.
- Tracking in agile:
- Tracking in agile can be done in many methods one of the method is Burn Up chart
  - Team uses Burn up charts to keep track of amount of work left over days.
- For Calculating duration and cost following formulae are used:-
- o Decide sprint length, calculate velocity as explained above
  - o Number of sprints=total estimates/velocity
  - o Duration=no. of sprints \* sprint length
  - o Total cost = duration \* cost per week.

2 pts

Identified the need but didn't give correct arguments like (multi-level planning, less upfront but frequent, just in time, just enough, etc)

4 pts

Identified the need and gave the correct argument.

5 pts

Identified the need, gave the correct argument, and suggested a potential solution and additional details.

Did the learner specify that the initial cost and time estimates (\$500,000 and 6 months, respectively) will need to be flexible to allow the team to change the plan based on what we learn?

0 pts

The learner didn't identify this.

2 pts

Identified the need but didn't give correct arguments like adapt and replan, embrace change.

4 pts

Identified the need and gave the correct argument

5 pts

Identified the need, gave the correct argument, and suggested a potential solution and additional details

Did the learner specify that Harold and his leadership team must engage more frequently and attend sprint review meetings? If they need to get a feel for the project, they can always attend the stand-ups.

0 pts

The learner didn't identify this.

4 pts

Identified the need.

5 pts

Identified the need and provided additional details.

Rate the overall quality of the response.

0 pts

Invalid arguments.

1 pt

Valid arguments, but they are incomplete.

2 pts

Valid, complete argument, but some of the supporting details are incorrect.

3 pts

Valid arguments, covered all aspects, and very convincing.

4 pts

Valid, complete, and correct argument. In addition, the learner had some out of the box reasoning, and also quoted some additional details to support arguments.

Any other feedback you have for the learner in terms of the quality, completeness, or correctness of the response?

Need to rework

Submit Review

You must fill in all the fields above.

#### Comments

Comments left for the learner are visible only to that learner and the person who left the comment.



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