1. Identify the dependencies among the nine use cases for the Study Abroad application

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| --- | --- |
| **Use Case** | **Dependencies** |
| UC01 | UC04, UC02 |
| UC02 | UC04 |
| UC03 | UC01, UC02,UC04 |
| UC04 | NONE |
| UC05 | UC04 |
| UC06 | UC04, UC03 |
| UC07 | UC04, UC06, UC03 |
| UC08 | UC04, UC03 |
| UC09 | UC04, UC03, UC07,UC08 |

1. Assume that a staff member cannot work on a use case until the use cases that it depends on are completed.

2.

Based on the estimates recorded in your lab results, use Agile planning to plan iterations with use cases. Make necessary assumptions when applying story points to use cases. Assume a staff of three, an app designer, a developer, and a tester. Assume that the team can complete 3 points per week, which is the equivalent of 120 hours of effort per week.

3.

The project must be completed in 3, one-month iterations.

4.

Submit an image containing a corkboard with story cards, or a grid of post-it notes, or an Excel spreadsheet may also be submitted. Show a grid with the iterations on the top row and the use cases in the columns below.

5.

On the top row, number each iteration, show the number of weeks the iteration will last, and show the beginning and ending dates

6.

In each column, show the use cases that will be completed during the iteration

1. Show the use case number
2. Show the number of points
3. Show the priority of the use case
4. Show other use cases on which the use case depends

|  |  |  |
| --- | --- | --- |
| **Iteration 1, 4wks, 8/13/18-9/13/18** | **Iteration 2, 4wks, 9/13/18-10/13/18** | **Iteration 3, 4wks, 10/13/18-11/13/18** |
| UC04, points 1, priority 1 | UC01, points 1, priority 2 | UC06, points 1, priority 4 |
| UC05, points 1, priority 1 | UC03, points 2, priority 2 | UC08, points 1, priority 4 |
| UC02, points 1, priority 2 | UC07, points 1, priority 3 | UC09, points 1, priority 4 |

7.

If you find that the use cases cannot be completed within three iterations then state it and explain why. If you find that more staff is needed to complete the use cases in three one-month iterations, state it. If you think that another iteration should be added, state it. If you think the project could be completed in less than three one-month iterations, state it.

I think the second iteration cannot be completed in one month because the developer would need to ensure to test out the application submission in order to ensure the student is filling out the correct information and that is being stored in the correct database for the faculty to be able to access and review.

8.

Identify top five possible risks for the SAMS project and develop risk resolution measures for them. Briefly, justify your solution.

a. Submit an Excel spreadsheet containing columns:

-Risk

-Risk Resolution Measures

-Justification.

 b. Show the risks, resolution measures, and justifications in the spreadsheet.