

## SWE30010 Development Project 2: Design, Planning and Management

### Sprint #1 Stage

#### Overview

##### Project Environment / Context

Your project proposal of "PHP-SRePS / the selected project" has been accepted and agreed by "People Health Pharmacy / Your Client". The entire development team is using the Scrum agile development process with a two-week sprint. Your team consists of 4 – 6 members. You can choose your own development languages (e.g. Visual Basic, C# or Java). You cannot use or customize any existing project (open or closed) because this is a "development" project not a "customization project".

This is Sprint #1.

For simplicity, the working time is 8 hours per week per person in your team. In fact, for sustainable development, it is suggested that each individual should spend one – two hours per working day for the entire 2-week sprint. So, a team of 6 people should have a total of 96 hours of work in your 2-week sprint whereas a team of 4 has 64 hours.

**How your Sprint works:** We are doing 2-week sprints. Start Sprint #1 on Monday in Week 6 (Day 1 of Sprint #1). Day 10 of your Sprint #1 will be Friday Week 7.

Suggested time frame of a 2-week sprint for DP2 purposes

Week	Your selected day	Tutorial day
6	Day 1	Feedback from Tutor
7	Day 6	Feedback from Tutor
8		Sprint review and Sprint retrospective

**Sprint #1 Group:** For the group tasks in Sprint #1, you need to register your team in Doubtfire under the "Sprint #1 Group Tasks" and submit it as a group. Please do not call yourself "Sprint #1 Group" as there will be potential conflicts in group names.

**Note to students on total amount of hours in a sprint:** For professional teams in real life, they use 40 hours per week per person for their effort estimation. However, as a student studying full time (that is, 4 subjects) in a semester, you should use **8 hours per person per week** for your effort estimation. So, a team of six can only work for a maximum of 96 hours in a 2-week sprint.

### 09 Pass Task 6.2P – Group Task

This document describes the pass task 6.2P, for your DoubtFire submission purposes.

#### Suggested Time Frame: Week 6

**Start:** Week 6  
**Feedback:** Ask your tutor in Tutorials in Week 6  
**Due:** Week 7, Tuesday, 9:00am

Table 1 Overview of 6.2P for Sprint #1

<b>Purpose:</b>	To set up for Sprint #1
<b>Tasks:</b>	<b>Set up for Sprint #1</b> <ol style="list-style-type: none"><li>1. Setup a task board with "Product backlog items", "Sprint backlog items", "To do (tasks)", "Doing (tasks)", "Testing (tasks)", "To be confirmed (tasks)" and "Done (tasks)". The "To be confirmed" column collects all completed tasks during the sprint and the team has to demonstrate these in the sprint review with the stakeholder (your tutor)</li><li>2. Setup a burn-down chart to track the sprint's progress</li><li>3. Setup a project repository site</li></ol>

<b>Pre-req Task<sub>1</sub></b>	08 Pass Task 6.1P
<b>Follow-up Task<sub>2</sub></b>	10 Pass Task 7.1P
<b>Time:</b>	1 – 2 hours
<b>Resources:</b>	<a href="https://en.wikipedia.org/wiki/Scrum_(software_development)">https://en.wikipedia.org/wiki/Scrum_(software_development)</a>
<b>Suggested Tools:</b>	[These tools are suggestions only. You can choose your own. It does not matter which one you choose, you still need to figure out how to set it up yourselves.] <b>Repository:</b> GitHub – <a href="http://www.github.com">www.github.com</a> <b>Task Board:</b> Trello – <a href="http://www.trello.com">www.trello.com</a> <b>Burn-down chart:</b> Burndown for Trello – <a href="http://www.burndownfortrello.com">www.burndownfortrello.com</a> <b>Communication Tool:</b> Slack / Skype / Texting via SMS / WhatsApp [Remember to capture the screen images]
<b>Feedback:</b>	Ask your tutor for feedback

**09 Pass Task 6.2P Setup the plan for the Sprint [Group Task]**

1. Set up a task board (e.g. using "Trello" may be a good idea) for the whole team with the following columns:
  - a. "Product backlog items"
  - b. "Sprint backlog items"
  - c. "To do (tasks)"
  - d. "Doing (tasks)"
  - e. "Testing (tasks)"
  - f. "To be confirmed (tasks)" – this column collects all completed tasks (at least, your team thinks they are completed) during the sprint and the team has to demonstrate these being completed in the sprint review to the stakeholder (your tutor); and
  - g. "Done" – once demonstrated in front of the stakeholder (your tutor) that the item is completed.

An example of a task board can be found in  
[https://en.wikipedia.org/wiki/Scrum\\_\(software\\_development\)](https://en.wikipedia.org/wiki/Scrum_(software_development)).  
 Note the differences in the column headings.

**Note:** This task can be performed by one team member. The time spent on setting this up is not counted towards your sprint.

2. Set up an ideal burn-down chart (e.g. how about using "Burndown for Trello") for your sprint as a starting point for your team to indicate the "ideal" progress based on the tasks in the sprint and your estimated efforts (e.g. hours) required to complete the tasks

An example of a burn-down chart can be found in  
[https://en.wikipedia.org/wiki/Scrum\\_\(software\\_development\)](https://en.wikipedia.org/wiki/Scrum_(software_development)).  
 Note the differences in the number of hours and the duration of sprint.

**Note:** This task can be performed by one team member. The time spent on this is not counted towards your sprint.

3. Set up a project repository (using GitHub may be a good choice)

By the way, remember to sync your files to the repository after you finish your day's work in the sprint.

<sup>1</sup>You need to complete the pre-req (pre-requisite) task before doing this task.

<sup>2</sup>You (as a group) need to complete this task in order to do the follow-up task because the follow-up task depends on your answer in this one. Strongly suggest you keep the same group if possible. Do the follow-up tasks before the next tutorial and then ask feedback in the tutorial.

**Submission Details and Assessment Criteria**

Each team needs to create a new group on Doubtfire called it Your Sprint #1 Group. Each team needs to create a document (pdf) in **portrait** mode<sup>3</sup>. You need to organize yourselves so that a person in your team will be responsible for uploading the document to Doubtfire, with the following details:

- Your names and student IDs
- Your tutorial class (e.g Thu 12:30 ONL068 or Thu 12:30 ONL069)
- Your tutor's name
- Details (name and student ID) of your team members
- Your group responses to the tasks according to the corresponding instructions

Remember, whoever submits the document the latest will overwrite the previous submissions. Since Doubtfire does not keep the previously submitted documents, the previous submissions will be gone forever.

**What to Submit**

Document the following items and submit them to DoubtFire for Pass Task 6.2P

1. your initial task board (Day 0 task board)
2. your ideal burn-down chart (Day 0 burn-down chart)
3. your initial project repository site (e.g. GitHub)

<sup>3</sup>Landscape mode pdf does not work properly in Doubtfire.