Sprint Planning, Retro and Review

Sprint #Template

Sprint Planning

<table>
<tr><td colspan="4">Sprint Number: <Number>
Team Number: 5
Date: <Date></td></tr>
<tr><td>Attended:</td><td colspan="3"></td></tr>
<tr><td>Apologies:</td><td colspan="3"></td></tr>
<tr><td>Scrum Master:</td><td></td><td>Product Owner:</td><td></td></tr>
<tr><td>Development Team:</td><td colspan="3"></td></tr>
<tr><td colspan="4"></td></tr>
<tr><td>Goal:</td><td colspan="3"><What is the aim that you are trying to achieve by running this sprint?></td></tr>
<tr><td>Sprint Duration:</td><td colspan="3"><2 weeks></td></tr>
<tr><td>Team’s Vision for This Sprint:</td><td colspan="3"><Which items of the product backlog will be committed to sprint backlog and why?>
<What will the potentially shippable product look like in the end? What features will it have in its working form?></td></tr>
<tr><td>Estimation in Story Points:</td><td colspan="3"><Team to estimate story points for each of the items. Provide some sort of justification.>

<table><tr><td>User Story ID</td><td>Story Points (Scale: 1-5)</td></tr><tr><td></td><td></td></tr></table></td></tr>
</table>

Sprint Review

Sprint Number: <Number>

Team Number: 5 **Date:** <Date>			
Attended:			
Apologies:			
Scrum Master:		Product Owner:	
Development Team:			
Sprint Goals:	<Describe what was planned to achieve, the roadmap elements you wanted to target, and the milestones in the Sprint.>		
Status Overview:	<Describe the planned sprint items, compare finish vs unfinished, added vs removed, changed priorities.> <Explain how you will continue to work with uncompleted work.>		
Screenshots:	<Provide some screenshots of your system working, with a brief description of what we are seeing. Pretend this is the transcription of a 5min live demo.>		
Lessons learned:	<What you learned from the above points?>		
Sprint Statistics:	<Present the burndown chart, with a brief (3-lines) explanation of what we are seeing. Add 2-lines explanations of how it is calculated.>		

Sprint Retrospective

Sprint Number: <Number> **Team Number:** 5 **Date:** <Date>			
Attended:			
Apologies:			
Scrum Master:		Product Owner:	
Development Team:			
Things that went well:	<What went well? What the team is happy about?>		
Things that could have	<What could have gone better? What the team could improve?>		

gone better:	
Things that surprised us:	<What wasn't expected?>
Lessons learned:	<What you learned from the above points?>
Final Thoughts:	<Things to Keep> <Things to Change>

Sprint #0 - 28/07/20

Sprint Retrospective

<table>
<tr><td colspan="4">Sprint Number: #0
Team Number: 5
Date: 14/08/20</td></tr>
<tr><td>Attended:</td><td colspan="3">Matthew, Alan, Hamed, Gaveen</td></tr>
<tr><td>Apologies:</td><td colspan="3">Youssef</td></tr>
<tr><td>Scrum Master:</td><td>Gaveen</td><td>Product Owner:</td><td>Alan</td></tr>
<tr><td>Development Team:</td><td colspan="3">Matthew, Hamed, Youssef</td></tr>
<tr><td colspan="4"></td></tr>
<tr><td>Things that went well:</td><td colspan="3">● User stories were completed on time
● Product backlog and sprint backlog were compiled in an efficient manner
● Our technical understanding of the assignment specifications
● Implement a base code for the project
● Attempting unit tests
● Broke down the tasks and assigned equally
● Efficient and sufficient number of scrum meetings
● Good contribution to the tasks from group members</td></tr>
<tr><td>Things that could have gone better:</td><td colspan="3">● Better communication
● More organised meeting times</td></tr>
<tr><td>Things that surprised us:</td><td colspan="3">● We thought that there would be a start-up code for the project, and have been waiting for it, and ended up implementing the code a bit late, and attempting the unit testing in the last couple of days.
● Implementing 3 to 6 microservices as the rubric says is sort of hard to do in an early time of the semester.</td></tr>
<tr><td>Lessons learned:</td><td colspan="3">● Should invest more time into properly scheduling meetings and keeping to that schedule.
● Dedicate more time into task management in Trello
● Understanding the base code, specifically React and Spring Boot</td></tr>
<tr><td>Final Thoughts:</td><td colspan="3">Things to keep:
● Continuation in learning React and Spring for coding tasks
Things to change:
● Taking a more proactive approach to meetings</td></tr>
</table>

Sprint #1 - 10/08/20

Sprint Planning

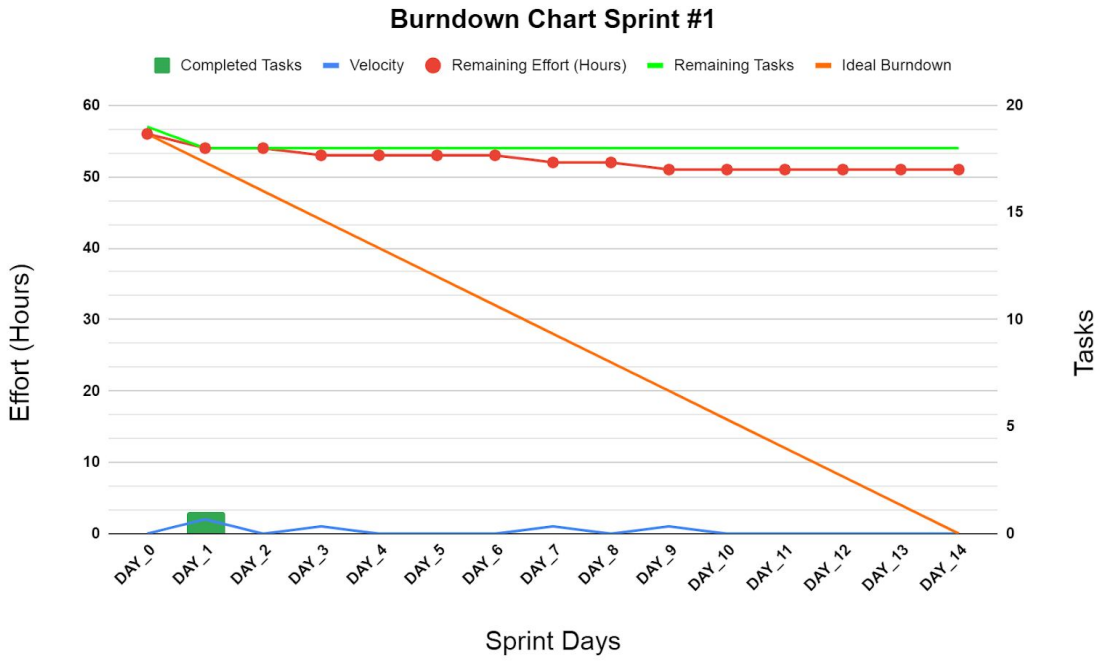
<table>
<tr><td colspan="4">Sprint Number: 1
Team Number: 5
Date: 10/08/20</td></tr>
<tr><td>Attended:</td><td colspan="3">Matthew, Gaveen, Alan, Hamed</td></tr>
<tr><td>Apologies:</td><td colspan="3">Youssef</td></tr>
<tr><td>Scrum Master:</td><td>Gaveen</td><td>Product Owner:</td><td>Alan</td></tr>
<tr><td>Development Team:</td><td colspan="3">Matthew, Hamed, Youssef</td></tr>
<tr><td colspan="4"></td></tr>
<tr><td>Goal:</td><td colspan="3">● Get 5+ Microservices up and running
○ Login Microservice
○ Account Sign up (Customer)
○ Display a Dashboard for Customer
○ Page to view About
○ Page to view Contact</td></tr>
<tr><td>Sprint Duration:</td><td colspan="3">2 weeks</td></tr>
<tr><td>Team’s Vision for This Sprint:</td><td colspan="3">● Which items of the product backlog will be committed to sprint backlog and why?
○ USER STORY ID:
■ 0, 1, 2, 3, 4, 5, 6, 12
■ Why : To get a minimum viable product.
● What will the potentially shippable product look like in the end? What features will it have in its working form?
○ Logging in
○ Signing up as a Customer
○ A functioning home screen (with Login, About and Contact)</td></tr>
<tr><td>Estimation in Story Points:</td><td colspan="3">Items 0 6 and 12 are worth points of 3; they're moderately easy enough to implement but still provide a challenge to implement and run as they would ideally provide the foundations of the database.
Items 1 2 and 3 are worth the points of 2 as they require implementation with the database and require some effort.
Items 4 and 5 are worth 1 point each as they are the simplest items to implement.

<table><tr><td>User Story ID</td><td>Story Points (Scale: 1-5)</td></tr><tr><td>0</td><td>3</td></tr><tr><td>1</td><td>2</td></tr></table></td></tr>
</table>

2	2
3	2
4	1
5	1
6	3
12	3

Sprint Review

Sprint Number: 1 **Team Number:** 5 **Date:** 23/08/20 and 25/08/2020			
Attended:	Matthew, Alan, Gaveen, Youssef, Hamed, Sachin		
Apologies:			
Scrum Master:	Gaveen	Product Owner:	Alan
Development Team:	Matthew, Youssef, Hamed		
Sprint Goals:	● The following was planned to achieve: Setting up of user database, frontend website functionality, user authentication/registration, display of dashboard with user information and worker registration by admin users ● The main goal of the sprint was to work towards a Minimum Viable Product (at least) ● Major milestones to achieve in the sprint was a functioning backend (in terms of users) and functioning front end that allowed for logging in and page-switching		
Status Overview:	● Unfortunately, only one of the backlog items were completed out of the 19 selected tasks, which was the setting up of the user database. The team did not anticipate how complex the coding would be, and also did not anticipate the lack of any relevant materials provided. ○ An example of this would be in the testing of Services. Although there were resources supplied for unit testing, none of them were relevant to unit testing in particular to Springboot. This meant that a lot of background research had to be made to even have a guess on how to proceed with the unit test. Due to the massive inconsistency inherent in online resources that have no relation to the actual course subject, all solutions were not feasible. ● Any incomplete work will have to be pushed to the next sprint, as most of the tasks in this sprint involve essential components of the service, such as a working authentication/dashboard system, as well as handling account creation and the front end.		

Screenshots:	Unfortunately, the product is not to a working state yet so there is no screenshot.
Lessons learned:	It was decided to change task priorities going forward, especially in terms of what the team views as a Minimum Viable Product. Although the ideal outcome would be to produce a mostly feature-complete (in terms of aesthetics mostly) product by the end of Milestone 2, it is much more feasible to just get the databases and services working, as that is the core of the problems experienced in Sprint 1.
Sprint Statistics:	 The graph of tasks/effort in relation to the two weeks of the sprint (Approx 10/08/2020 to 23/08/2020). Tasks completed is represented by Completed Tasks and Remaining Tasks, whereas the hours spent (effort) is represented by the Remaining Effort, influenced by Velocity (hours worked in a day). The remaining effort should, in theory, match the Ideal Burndown line as closely as possible. The number of remaining tasks was calculated by subtracting the current amount of tasks remaining by the number of completed tasks per day. The remaining effort was calculated by subtracting the current hours of effort remaining by the velocity.

Sprint Retrospective

Sprint Number: 2 **Team Number:** 5 **Date:** 23/08/2020	
Attended:	Matthew, Alan, Gaveen, Hamed, Youssef

Apologies:			
Scrum Master:	Gaveen	Product Owner:	Alan
Development Team:	Matthew, Hamed, Youssef		
Things that went well:	● Communication and meetings are proceeding more smoothly		
Things that could have gone better:	● Being able to code the back and frontend better. We unfortunately underestimated how complex implementation would be. ● Being able to code the back and backend better ● (API Services).		
Things that surprised us:	● The lack of relevant material that would allow us to construct the code. ● Foundational knowledge of React and Spring does not get us very far with the actual coding tasks ● Lack of Spring Boot testing resources made it very difficult to actually test API components and database components.		
Lessons learned:	● We should determine what microservices we are going to use before implementation ● More research and resources need to be obtained to better understand React and Spring boot. ● Attend consultation for advice and direction on coding		
Final Thoughts:	● For the Front End, would probably be better to focus on the interface prototyping (through software like Figma), seeing as how there is currently no way for progress to be made in React		

Sprint #2 - 23/08/20

Sprint Planning

Sprint Number: 2 **Team Number:** 5 **Date:** 23/08/20			
Attended:	Gaveen, Alan, Youssef, Hamed, Matthew		
Apologies:			
Scrum Master:	Gaveen	Product Owner:	Alan
Development Team:	Matthew, Youssef, Hamed		

<table>
<tr><td>Goal:</td><td>● Complete all tasks that was required for Sprint 1</td></tr>
<tr><td>Sprint Duration:</td><td>2 Weeks - Not including semester break</td></tr>
<tr><td>Team's Vision for This Sprint:</td><td><Which items of the product backlog will be committed to sprint backlog and why?>
● No new items will be committed to the sprint backlog, this is because of complications and difficulties in regards to the coding and the direction the project will be taken in. It was decided to just try and reach a MVP; at the very least have the back end set up and working (tests and all)
<What will the potentially shippable product look like in the end? What features will it have in its working form?>
● Unfortunately, there may not be a potentially shippable product this sprint, as most of the focus would be to get the foundations of the back end set up as best as we can.</td></tr>
<tr><td>Estimation in Story Points:</td><td><Team to estimate story points for each of the items. Provide some sort of justification.>

Sprint 2 is the same as sprint 1 since we are attempting to finish these tasks<table><tr><td>User Story ID</td><td>Story Points (Scale: 1-5)</td></tr><tr><td></td><td></td></tr></table></td></tr>
</table>

Sprint Review

<table>
<tr><td colspan="4">Sprint Number: 2
Team Number: 5
Date: 15/09/20</td></tr>
<tr><td>Attended:</td><td colspan="3">Alan, Matthew, Hamed, Gaveen</td></tr>
<tr><td>Apologies:</td><td colspan="3">Youssef</td></tr>
<tr><td>Scrum Master:</td><td>Gaveen</td><td>Product Owner:</td><td>Alan</td></tr>
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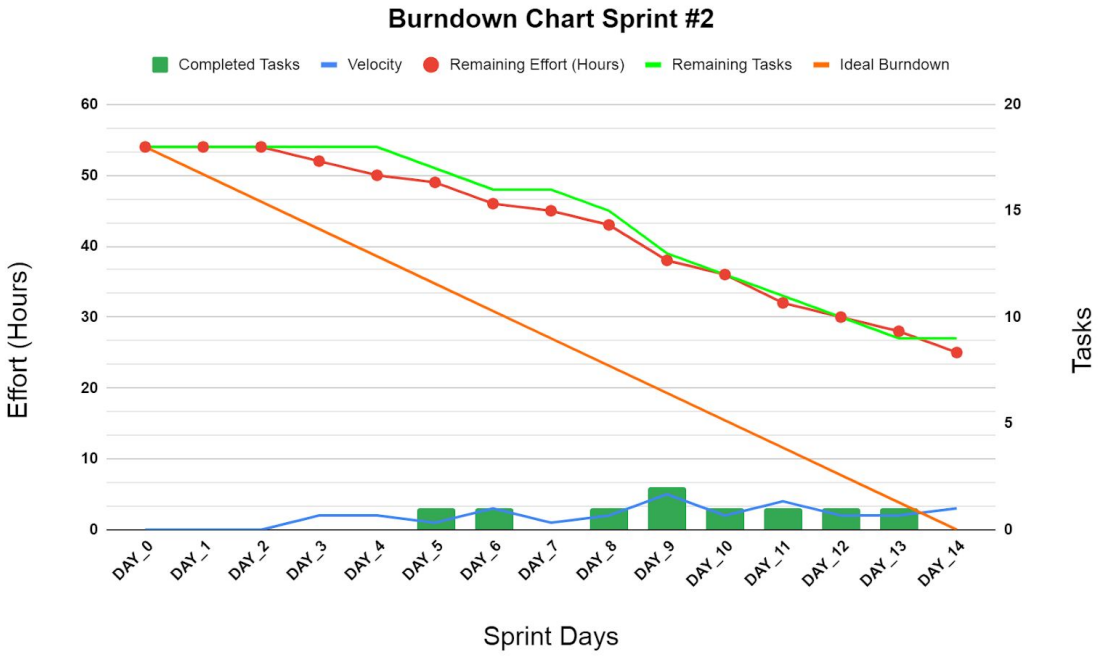
<tr><td>Sprint Goals:</td><td colspan="3">● The following was planned to achieved: Setting up of user database, frontend website functionality, user authentication/registration, display of dashboard with user information and worker registration by admin users
● The main goal of the sprint was to work towards a Minimum Viable Product (at least)
● Major milestones to achieve in the sprint was a functioning backend (in terms of users) and functioning front end that allowed for logging in and page-switching</td></tr>
<tr><td>Status Overview:</td><td colspan="3">● Fortunately, work had proceeded in a better capacity than compared with Sprint 1. More functionality has been completed in the sprint backlog. However, progress is still slow and MVP has not been reached in any tangible form.

● Again, we will have to push all uncompleted work into the third, shorter sprint. It is</td></tr>
</table>

	hoped that we can reach MVP within the next milestone submission.
Screenshots:	• Unfortunately, we've yet to achieve the MVP.
Lessons learned:	• Again, we underestimated the amount of work we could do. For the next sprint we will have to scale back our operations further; at least such that our burndown charts performance will be more representative of the ideal burndown gradient (linear).
Sprint Statistics:	 The burndown chart was calculated using the exact same formulas as with the first; and unless specified, all following burndown charts will have the same calculations.

Sprint Retrospective

Sprint Number: 2 **Team Number:** 5 **Date:** 15/09/20			
Attended:	Alan, Matthew, Hamed, Gaveen		
Apologies:	Youssef		
Scrum Master:	Gaveen	Product Owner:	Alan
Development Team:	Youssef, Matthew, Hamed		
Things that went well:	Finished login create user functionality, connecting front and backend for both features		

Things that could have gone better:	● Better time management for the tasks required ● Much better communication of the team as a whole ○ For example, communication any further additions of unit testing was not present after Matt and Alan had completed their sections, leading to repetition of unit tests from the other members.
Things that surprised us:	Most tasks were still left incomplete as the features still turned out to be out of our scope.We thought we had a better handle on using the frameworks but it was still a tad too complex for us to achieve what we intended.
Lessons learned:	Although we did scale down the tasks we aimed to do (by reserving sprint 2 for uncompleted functionality in sprint 1), we still need to further reduce what we are doing for the next sprint. As the milestone submission date draws near, perhaps it is better to just aim for the rest of what constitutes as a MVP. As such, some original tasks hoped to be achieved early on will have to be cancelled for the coming sprints until more substantial work has been attained.
Final Thoughts:	Remove focus from admin and worker functionalities. These are less important and can be worked on later on. Prioritise more on creating a working booking system as that is the core of our project.

Sprint #3 - 15/09/20

Sprint Planning

Sprint Number: 3 **Team Number:** 5 **Date:** 15/09/20			
Attended:	Alan, Matthew, Hamed, Gaveen		
Apologies:	Youssef		
Scrum Master:	Matthew	Product Owner:	Alan
Development Team:	Gaveen, Hamed, Youssef		
Goal:	● Like the last two sprints, we aim to reach the MVP. ● Aim to complete most tasks uncompleted from Sprint 2 ○ Some tasks were removed and some others added in to fit with our new priorities for milestone 2 and beyond. ○ New priorities - Working booking and dashboard feature.		
Sprint Duration:	2 weeks		
Team's Vision for This Sprint:	Have a working booking and dashboard feature by the end of the sprint.		
Estimation in			

Story Points:

User Story ID	Story Points (Scale: 1-5)
1	2
4	1
5	1
20	2
21	1
22	1
23	2
16	5
17	4
18	5