SPRINT PLAN

Contents

Introduction

The intent of this document is to define sprint actions and the deliverables to be output from that specific sprint. This document will be continuously referenced throughout development by the development team so that they can determine which activities need to be completed, who should work on them, and when they should be completed by. These three questions will be answered at the beginning of each Sprint, and therefore this document will develop over time as new sprints start. Overall, the purpose of each Sprint Plan is to manage the execution of fulfilling the Project Backlog (see Requirements_Analysis.pdf).

To remain flexible, Sprints will be planned at the start of the sprint and not prior. However, to present the overall workflow of the project, this document has a high-level roadmap of the project.

Alongside the Sprint Plans, the team will use a Kanban board to visually represent the User Stories being worked on during the current sprint. Essentially, the Kanban board shows the state of the sprint. Kanban Board link:

https://trello.com/b/dxM1i116/ecobadge
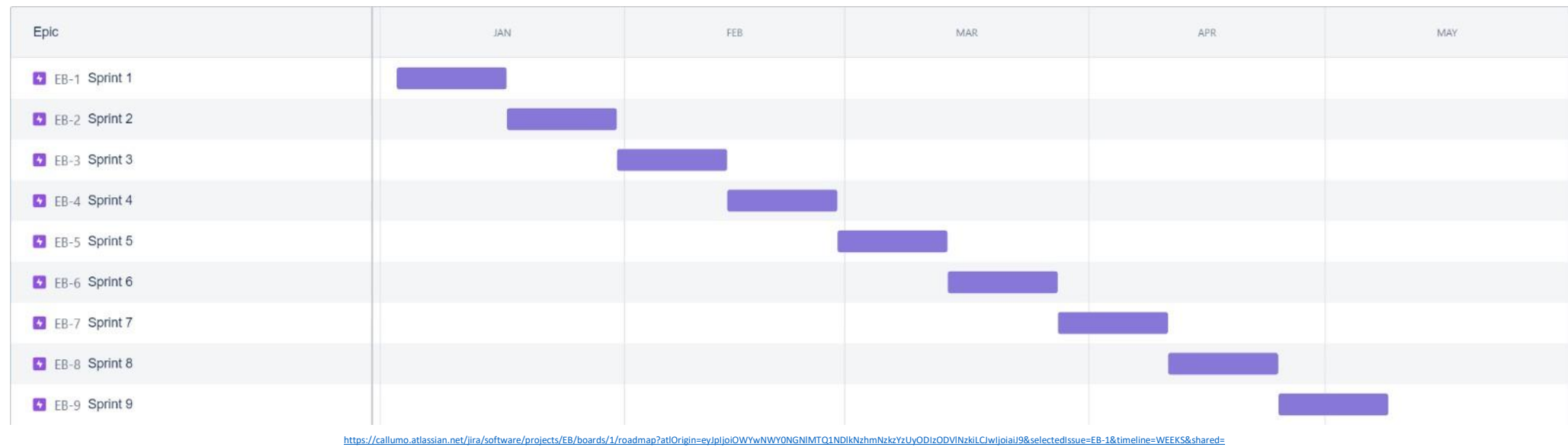
Sprints

Each sprint will have a duration of two weeks. The structure of each sprint will proceed accordingly:

- Establish sprint goals
- Determine necessary user story tasks
- Determine who will work on what tasks

These three points will be discussed at the start of each sprint in a Sprint Plan meeting.

Product Roadmap

The Product Roadmap is a high-level view of the entire project that illustrates the timeline of the project's sprints.

Epic	JAN	FEB	MAR	APR	MAY
EB-1 Sprint 1					
EB-2 Sprint 2					
EB-3 Sprint 3					
EB-4 Sprint 4					
EB-5 Sprint 5					
EB-6 Sprint 6					
EB-7 Sprint 7					
EB-8 Sprint 8					
EB-9 Sprint 9					

https://callumo.atlassian.net/jira/software/projects/EB/boards/1/roadmap?atlOrigin=eyJpIjoiOWYwNWY0NGNlMTQ1NDlkNzhmNzkzYzUyODIzODVlNzkiLCJwIjoiaiJ9&selectedIssue=EB-1&timeline=WEEKS&shared=

The above diagram shows that there will be a total of 9 sprints between the start of development and the project deadline. Overall, the development team has 18 weeks of production time.

Sprint	Start Date	End Date
1	03/01/22	16/01/22
2	17/01/22	30/01/22
3	31/01/22	13/02/22
4	14/02/22	27/02/22
5	28/02/22	13/03/22

6	14/03/22	27/03/22
7	28/03/22	10/04/22
8	11/04/22	24/04/22
9	25/04/22	08/05/22

In accordance with the Product Roadmap diagram, each Sprint should roughly follow this plan:

Sprint 1	
User Stories	As a consumer, I want to be able to view all directories, so that I can choose which businesses to eat at. As a consumer, I want to be able to read more about sustainability, so that I can educate myself. As a business, I want to be able to learn about how the ECO Badge scores are determined, so that I can appeal more to eco-conscious viewers by changing how the business operates.
Deliverables	Initial prototype (basic page layouts and simple directory functionality) Project Plan documentation (UML diagrams, risk assessment, interface diagrams, etc)

Sprint 2	
User Stories	As a consumer, I want to be able to filter the directories, so that I can find specific types of businesses easier.
Deliverables	Prototype with functioning business directory Business database

Sprint 3	
User Stories	As a user, I want to be able to sign in, so that I can access my portal space. As a consumer, I want to be able to sign myself up to the ECO Badge newsletter, so that I can be informed about eco-conscious content.
Deliverables	Prototype with functioning login space and Customer Profiles User database

Sprint 4	
User Stories	As a business, (Paid member) I want to be able to access my profile portal, so that I can update profile data.
Deliverables	Prototype with functioning Business Profiles

Sprint 5	
User Stories	As an admin, I want to be able to manage business profiles/ business members, so that I can see specific details about specific accounts and fulfil my admin duties.
Deliverables	Prototype with functioning Admin Portal

Sprint 6	
User Stories	As a business, (Paid member) I want to be able to access my profile portal, so that I can schedule my venue for a re-score. As a business, (Paid member) I want to be able to access my profile portal, so that I can reply to customer reviews.
Deliverables	Prototype with functioning customer reviews and rescoring requests

Sprint 7	
User Stories	As an admin, I want to be able to edit pages, so that I can update information.
Deliverables	Prototype with functioning page edit features

Sprint 8	
User Stories	As an admin, I want to be able to view all email collected via the website, so that I can perform administrator tasks in accordance to email content.
Deliverables	Prototype with Admin functionality

Sprint 9	
User Stories	As a consumer, I want to be able to create/view my consumer profile, so that I can track my environmental impact.
Deliverables	Prototype with Consumer profiles

Sprint 1

Start: 03/01/22   End: 16/01/22

Meeting Agenda:
1. Determine sprint goals
2. Select backlog items (and other necessary jobs)
3. Decompose backlog items into tasks
4. Divide tasks between members
5. Review deadlines

Sprint Goal:
Prepare for the Project Plan presentation (12/01/22) and Marketplace Demo (18/01/22)

Sprint Items/Jobs:
1. Refine planning documentation
2. Create website layout
3. As a consumer, I want to be able to view all directories, so that I can choose which businesses to eat at.

Item 1 Tasks:

• Define project vision and objectives	Callum
• Create risk management plan	Josh
• Create communication plan	Alex
• Create user stories	Callum
• Create UML diagrams (use case, class and objects, etc)	Callum
• Create wireframes	Tom

Item 2 Tasks:

• Create Homepage	Josh
• Create Login page	Callum
• Create Directory page	Alex
• Create About us page	Tom

Item 3 Tasks:

• Create simple csv data file structure to store sample businesses	Team
• Create simple API to display csv data	Team

Additional Notes:
• Refer to Kanban board to see status of tasks (https://trello.com/b/dxM1i116/ecobadge)

- Refer to given ECO Badge documentation to craft requirements
- Refer to given Excel spreadsheet for sample business data

Practical changes to the sprints

Due to unforeseen challenges and time constraints Team A had to deviate from the original sprint plan. Firstly, the lengths of sprints were usually two weeks, but some sprints were required to be longer due to difficulty in development or towards the end the sprints became shorter to allow the team to have some more communication and discuss any uncompleted work which some members may need to focus on. Some breaks were added in between sprints to allow the team to focus on other coursework which had deadlines that were nearing and finally the goals of many sprints had to be altered to ensure that Team A prioritised the correct tasks within the project to ensure it would be a minimum viable product.

The actual dates of each sprint are as follows:

Sprint	Start Date	End Date
1	03/01/22	16/01/22
2	16/02/22	09/03/22
3	09/03/22	23/03/22
4	23/03/22	20/04/22
5	20/04/22	27/04/22
6	27/04/22	19/05/22

The actual sprints plan in its completion was as follows:

Sprint 1	
User Stories	As a consumer, I want to be able to view all directories, so that I can choose which businesses to eat at. As a consumer, I want to be able to read more about sustainability, so that I can educate myself. As a business, I want to be able to learn about how the ECO Badge scores are determined, so that I can appeal more to eco-conscious viewers by changing how the business operates.
Result	Initial prototype (basic page layouts and simple directory functionality) Project Plan documentation (UML diagrams, risk assessment, interface diagrams, etc)

Sprint 2	
User Stories	As a consumer, I want to be able to filter the directories, so that I can find specific types of businesses easier.
Result	Design and implementation for the database to make the directory work as client requests.

Sprint 3

User Stories	As a consumer, I want to be able to filter the directories, so that I can find specific types of businesses easier.
Result	Design and implementation of API

Sprint 4	
User Stories	As a consumer, I want to be able to filter the directories, so that I can find specific types of businesses easier.
Result	Prototype with functioning Business Profiles

Sprint 5	
User Stories	As a consumer, I want to be able to filter the directories, so that I can find specific types of businesses easier.
Result	Redesign and reimplementation of the database to ensure the database works with the API/directory in the way that the client required

Sprint 6	
User Stories	As a business, (Paid member) I want to be able to access my profile portal, so that I can update profile data. As a business, (Paid member) I want to be able to access my profile portal, so that I can schedule my venue for a re-score. As a business, (Paid member) I want to be able to access my profile portal, so that I can reply to customer reviews.
Result	Business profiles created, API linked to business profile pages and documentation completed

Sprint 7	
User Stories	Finishing touches and any uncompleted work are to be completed to prepare for the final client meeting, product presentation and product submission
Result	Finishing tasks completed

As shown above, many of the features Team A would have liked to implement were scrapped in favour of implementing the Directory which they saw as the primary feature of the website as the clients needed this feature for the site to work as they required. Therefore, every other feature that the Team had planned was treated as a secondary priority so subsequentially when the directory had to be redesigned it further ensured that most of the other features were dropped to guarantee the website would be a minimum viable product for the final deadlines.