CSCC01 Deliverable 3

CodeShippers

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1 Project Setup

What tools will you use for your task board?

- We will use Jira for our task board.

What tools will you use for your burn-down chart?

- We will use Jira for our burn-down chart.

Who will maintain the burn-down chart? How?

- Henry Huang will maintain the burn-down chart.
- The chart will be maintained manually, and will be updated after every standup meeting

What is every team member's role?

- Richard will edit and finalize documents for deliverables.
- Justin will be the lead in creating presentations.
- Riyasat will communicate with Jaya and clients.
- Sayon will organize team standup and planning meetings.
- Henry will submit deliverables and maintain the Jira board (snapshots).

What tools, if any, will you use for communication?

- We will use Facebook Messenger, Discord, and Microsoft Teams to communicate with each other remotely.
- We will use Google Docs to edit documents and Google Slides to create presentations together as a team.

When do you plan to meet in person?

- We do not plan to meet in person for the duration of this project, due to the ongoing pandemic. As a replacement, we plan to hold online team meetings before each sprint. As well, we plan to hold short online team stand-ups every two days to quickly discuss progress.

How will you use your repository on GitHub?

- Our master branch will serve as the main branch which will contain a working version of the software at the end of each sprint. We will create a separate branch for each feature, bugfix, and release, and eventually merge these branches into the main branch when they are completed.

- We will also use it to sort our deliverables and software content.

Which machines will be used for development by each team member? E.g., a CMS virtual machine, a Linux laptop, a Windows home computer, etc.

- Richard will use a Windows home computer and Windows laptop.

- Sayon will use a Windows laptop and Linux Mint laptop.

- Justin will use a Windows home computer and Ubuntu Laptop.

- Henry will use a Windows laptop and macOS laptop.

- Riyasat will use a macOS laptop.

What is your DoD (definition of done)?

- Create a test file for that user story or task.

- The user story should be peer reviewed by at least one team member.

- Run existing tests and make sure they pass.

- The code is documented and is styled according to the Google style guide.

2 Product Backlog

Customer: Ordering Process

- As Tom (a customer), I want to create an account on the website so that information about my delivery address, payment options, and favourite restaurants will be kept for easy access in the future.
  Priority: 1, **Estimated Cost:** 6

- As Tom (a customer), I want to view a list of restaurants which displays their name and logo.
  Priority: 1, **Estimated Cost:** 4

- As Tom (a customer), I want to select a restaurant from a list of restaurants to view specific information regarding it, such as its contact information, location, menu, prices, and promotions, in the form of text and pictures.
  Priority: 1, **Estimated Cost:** 5

- As Tom (a customer), I want to be able to choose between delivery or takeout options for my order.
  Priority: 2, **Estimated Cost:** 2

- As Tom (a customer), I want to select items from a restaurant's menu and have them placed in a virtual shopping cart for purchase.
  Priority: 3, **Estimated Cost:** 10

- As Tom (a customer), I want to give ratings to restaurants that I have ordered from, on a scale of 1 to 5.
  Priority: 4, **Estimated Cost:** 6

- As Tom (a customer), I want to receive a virtual receipt of my order by email, which lists the items ordered and their individual prices, the total price, and any discounts applied.
  Priority: 5, **Estimated Cost:** 10

- As Tom (a customer), I want to keep track of my delivery, so that I can plan my schedule accordingly.
  Priority: 6, **Estimated Cost**: 40

Customer: Website Navigation and Searching

- As Tom (a customer), I want to have a search engine to search for restaurants that are nearby, by providing an address and obtaining a list of restaurants that are deemed nearby, so that I do not have to commute too far for takeout orders.
  Priority: 2, **Estimated Cost**: 12

- As Tom (a customer), I want to have a search engine to search for food options by providing a type of cuisine and obtaining a list of restaurants which sell that type of cuisine, so that I can conveniently select food based on my current tastes.
  Priority: 2, **Estimated Cost**: 6

- As Tom (a customer), I want to have a search engine to search for food by price by providing a specific price range and obtaining a list of restaurants whose average food prices fall within that range, so that I can easily find food based on my current budget.
Priority: 3, **Estimated Cost**: 6

- As Tom (a customer), I want to read about information regarding a restaurant through restaurant profiles and posts by the owner.
Priority: 3, **Estimated Cost**: 4

- As Tom (a customer), I want to sort restaurants by customer ratings, so that I can easily determine which restaurants provide the most widely recommended services.
Priority: 4, **Estimated Cost**: 6

- As Tom (a customer), I want to select certain restaurants as my favourites and have them put into a personal list which I can view.
Priority: 4, **Estimated Cost**: 6

Restaurant Owner: Uploading Information

- As Jane (a restaurant owner), I want to create an account on the website so that I am able to independently access and edit my restaurant profile, including my menu and information.
Priority: 1, **Estimated Cost**: 10

- As Jane (a restaurant owner), I want to upload basic information about my restaurant such as a name, an address, a telephone number, and the type of food we serve to a restaurant profile for customers to see.
Priority: 1, **Estimated Cost**: 6

- As Jane (a restaurant owner), I want to upload text, pictures, and videos to my restaurant profile that showcase my restaurant's food and menu.
Priority: 1, **Estimated Cost**: 6

- As Jane (a restaurant owner), I want to occasionally offer promotions of my own design, such as flat-rate or percentage discounts, the details of which I can upload to my restaurant profile for customers to see.
Priority: 6, **Estimated Cost**: 6

Restaurant Owner: Community Engagement

- As Jane (a restaurant owner), I want to share stories regarding my restaurant by uploading text, pictures, and videos to a section on my restaurant profile about my culture, recipe origins, and cooking tips for customers to see.
Priority: 3, **Estimated Cost**: 8

- As Jane (a restaurant owner), I want to display a section on my restaurant profile with information about special community events, recommended restaurants, and social media links, to inspire closeness among the local community.
  Priority: 6, **Estimated Cost**: 6

- As Jane (a restaurant owner), I want to be able to create and join virtual networks of restaurants that endorse one another, such that the networks that I belong to are visible on my restaurant profile for customers to see.
  Priority: 6, **Estimated Cost**: 10

Restaurant Owner: Customer Service

- As Jane (a restaurant owner), I want to offer a takeout service for customers, where customers are able to order items from the restaurant's menu and then pick them up from the restaurant when the food is ready.
  Priority: 2, **Estimated Cost:** 10

- As Jane (a restaurant owner), I want to offer a delivery service for customers, where customers are able to order items from the restaurant's menu and have them delivered to their house.
  Priority: 2, **Estimated Cost:** 10

- As Jane (a restaurant owner), I want to view analytics on the customers that order from my restaurant, such as location, what they ordered, and a summary of the data, so that I can improve my business model.
  Priority: 5, **Estimated Cost:** 20

3　Release Plan

The length of our sprints will be one week long. Since we do not have a large amount of time to develop our software, we decided to go with a fairly short sprint length. This is so that we can more accurately measure our progress by making sure that we are up to date each week rather than, for example, every two weeks.

One week sprints also allow us to easily correspond each sprint with a priority in our user stories. Since our priorities range from 1-6 and we have roughly 6 weeks to complete our project, we can assign priority 1 user stories to sprint 1, priority 2 user stories to sprint 2, and so on.

4 Sprint Plan

User Stories:

As Tom (a customer), I want to create an account on the website so that information about my delivery address, payment options, and favourite restaurants will be kept for easy access in the future.
Priority: 1, Estimated Cost: 6

Acceptance Criteria:

- Given Tom wants to create an account, when Tom clicks on the "Sign Up" button, then he will see a form where he can fill out his email, password, name, delivery address, and payment information.

- Given Tom fills out all required fields of the account creation form and clicks on the "Submit" button, then his account information will be stored in the website's database.

- Given Tom creates an account, when Tom clicks on the "Log-In" button, then he will see a form where he can fill out his email and password to log-in to his account.

- Given Tom is signed into his account, when Tom clicks on the "Sign Out" button, then he will be signed out of his account.

As Tom (a customer), I want to view a list of restaurants which displays their name and logo.
Priority: 1, Estimated Cost: 4

Acceptance Criteria:

- Given Tom wants to view the available restaurants on the website, when Tom clicks on the "View Restaurants" button, then he will be redirected to a new page, containing the list of available restaurants with their name and logo displayed.

As Tom (a customer), I want to select a restaurant from a list of restaurants to view specific information regarding it, such as its contact information, location, menu, prices, and promotions, in the form of text and pictures.
Priority: 1, Estimated Cost: 5

Acceptance Criteria:

- Given Tom wants to view information about a specific restaurant, when Tom clicks on his restaurant of choice, he will be redirected to a new page, containing the contact information, location, menu, prices, and promotions of the restaurant

As Jane (a restaurant owner), I want to create an account on the website so that I am able to independently access my restaurant profile, including my menu and information.
Priority: 1, Estimated Cost: 10

Acceptance Criteria:

- Given Jane wants to create an account, when Jane clicks on the "Sign Up" button for restaurant owners, then she will see a form where she can fill out fields for her email, password, name, and restaurant information such as restaurant name, address, telephone number, and type of cuisine, as well as her menu.

- Given Jane fills out the information on the form, when Jane clicks on the "Submit" button, then her account information will be stored in the website's database.

- Given Jane creates an account, when Jane clicks on the "Log-In" button, then she will see a form where she can fill out her email and password to log-in to her account.

- Given Jane is signed into her account, when Jane clicks on the "Restaurant profile" button, then she should be able to view her restaurant information such as restaurant name, address, telephone number, and type of cuisine, as well as her menu.

As Jane (a restaurant owner), I want to upload basic information about my restaurant such as a name, an address, a telephone number, and the type of food we serve to a restaurant profile for customers to see.
Priority: 1, Estimated Cost: 6

Acceptance Criteria:

- Given Jane has logged in to her account and has gone to her restaurant profile section and wants to upload basic information about her restaurant, when Jane clicks on the "Edit Information" button, then she will see a form where she can fill out her restaurant's name, address, telephone number, and type of cuisine.

- Given Jane has filled out all required fields of the "Edit Information" form, when Jane clicks on the "Submit" button, then her restaurant information will be updated in the website's database, and her restaurant profile will be updated to show the new restaurant information.

As Jane (a restaurant owner), I want to upload text, pictures, and videos to my restaurant profile that showcase my restaurant's food and menu items.
Priority: 1, Estimated Cost: 6

Acceptance Criteria:

- Given Jane has relevant text and media to share about her menu items, when Jane clicks on the "Add Menu Item" button, then she will see a form where she can upload text, images, and videos, which will prompt her to find the media items using a File Explorer interface.

- Given Jane has filled out all required fields of the "Add Menu Item" form, when Jane clicks on the "Submit" button, then her restaurant information will be updated in the website's database, and her restaurant's menu profile will be updated to show the new restaurant's menu information.

4.1 Rough Plan of Sprint

(**ID 1**) Create template for web application (Cost 1)

(**ID 2**) Add database connection to web application (Cost 4)

(**ID 3**) UI to request customer information (Cost 3)

(**ID 4**) Backend to store customer account information into database (Cost 3)

(**ID 5**) Ability for a customer to view a list of restaurants which displays their name and logo. (Cost 4)

(**ID 6**) Ability to select a restaurant from a list of restaurants to view specific information (Cost 5)

(**ID 7**) Backend to store restaurant owner information into database (Cost 5)

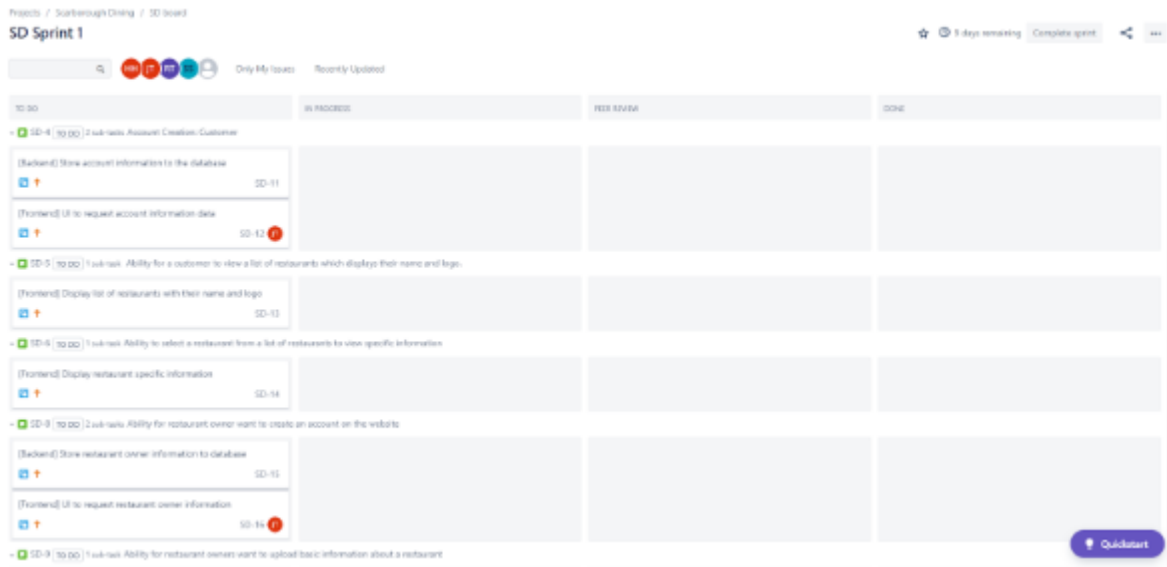(**ID 8**) UI to request restaurant owner information (Cost 5)

(**ID 9**) Ability for restaurant owners want to upload basic information about a restaurant (Cost 6)

(**ID 10**) Ability for a restaurant owner to upload text, pictures, and videos to my restaurant profile (Cost 6)

Estimated Iteration Plan

Task ID	Cost	Priority	Mon	Tue	Wed	Thur	Fri	Sat	Sun	Assign
1	1	1	0	1	0	0	0	0	0	Riyasat
2	4	2	0	0	2	2	0	0	0	Sayon
3	3	3	0	0	2	1	0	0	0	Justin
4	3	4	0	0	0	2	1	0	0	Henry
7	5	5	0	1	1	0	0	2	1	Riyasat
8	5	6	0	0	0	0	2	2	1	Justin
9	6	7	0	0	0	0	2	2	2	Sayon
10	6	8	0	0	0	0	3	3	0	Richard
5	4	9	0	0	0	0	0	2	2	Henry
6	5	10	0	0	0	0	3	1	1	Richard
Total	42	N/A	0	2	5	5	11	12	7	N/A
Work Left	42	N/A	42	41	41	34	31	25	0	N/A

4.2   Initial Task Board

4.3   Initial Burndown Chart