

University of Toronto Scarborough

Team Environment, Release & Sprint Plan

CSCC01H3 - Summer 2020

Team Members of Team 8:

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Team TA:

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1 - Team Environment

1.1 What tools will you use for your task board?

In the team agreement, we stated Trello would be our main task board tool. However, we have decided to move to Jira as it comes with free automation tools for managing agile life cycles. Both applications were developed by Atlassian so it will make transitioning from Trello to Jira much smoother.

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

We will use the same tool for the burn-down chart that we are using for the task board, Jira.

1.3 Who will maintain the burn-down chart? How?

The generated burn-down chart in Jira will be reviewed and finalized by Winnie as she is the team's scrum master and has experience using Jira.

1.4 What is every team member's role?

Winnie Lam will be the team scrum master, Tony Cao will be the team coordinator, Calvin Cheng will be the team product owner, Robert Nichita will be the team technical lead and Alac Wong will be the architectural lead.

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

Our team will be using Discord, Jira and Microsoft Teams for communications.

1.6 When do you plan to meet in person?

We do not plan to meet in person due to the COVID-19 pandemic along with its physical distancing requirements. In addition, it will be more convenient to meet virtually due to the locations of various team members.

1.7 How will you use your repository on GitHub?

In our GitHub repository, we will be utilizing the master, development and feature branch design. All features will be made in the feature branch and on completion will be merged into the development branch. Once everything is working in the development branch, it will get pushed to the master branch the day before the deadline.

1.8 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.

Each team member will only be expected to use their regular computer used for school work. Here is a list of team members and their respective computer machines:

Winnie Lam: Windows 10 (Desktop) and Apple Macbook Pro (Laptop)

Tony Cao: Apple Macbook Pro Laptop

Calvin Cheng: Asus VivoBook (Windows 10 Laptop)

Robert Nichita: Lenovo T580 Laptop - Windows 10 Home Edition - Insider Program

Alac Wong: HP Laptop Windows 10

1.9 What is your DoD (definition of done)?

From our team agreement, code is classified as “done” if it passes all the test cases created and approved for that particular snippet of code. In addition, the code is reviewed by at least one other team member and is documented so that other team members can understand the code. Any pull requests are also merged. Lastly, a feature is “done” when it is verified with the business client that it meets their requirements.

2 - Release Plan

We will have weekly sprints that begin on Sunday at 5 pm EST and end the following Sunday at 4:59 pm EST for a sprint length of one week. The reason we choose one week sprints is because people in general have been known to work better under deadlines. These shorter sprints also makes planning easier and encourages the team to break down stories or features into smaller chunks. In addition with a sprint length of one week, impediments and slowdowns are highlighted more quickly since the team is expected to get feature(s) done weekly. This will allow for greater visibility and understanding of the team’s progress within a sprint.

3 - Product Backlog

For our interactive product backlog, see the Jira backlog at this [link](#).

Legend

High priority

Medium priority

Low priority

As a restaurant owner, I want to log in so that I can update my restaurant information. - 7 points

As Al Capone (system admin), I want to allow customers and restaurant owners to reset their password. - 10 points

As Hames Jarden (a restaurant owner), I want to list and link my social media platforms so that I can connect with customers on different platforms. - 1 point

As Hames Jarden (a restaurant owner), I want to upload videos from files so that I can update my page with videos that I do not want on other platforms. - 5 points

As Hames Jarden (a restaurant owner), I want to embed videos from YouTube so that I can easily link videos on different platforms without uploading twice. - 4 points

As Hames Jarden (a restaurant owner), I want to post updates to the timeline so I can give updates to my customers. - 5 points

As Hames Jarden (a restaurant owner), I want to add comments to timeline posts so that I can interact with my customers. - 5 points

As Hames Jarden (a restaurant owner), I want to delete comments from timeline posts so I can remove the comments I do not want. - 3 points

As Hames Jarden (a restaurant owner), I want to delete timeline posts so I can get rid of irrelevant content. - 3 points

As Robert Downey (a restaurant manager), I would like to be able to push special deals further up the search engine, so that they are more visible to customers. - 2 points

As Robert Downey (a restaurant manager), I would like to indicate which of the dishes have specials so that it attracts the consumers' attention. - 2 points

As Robert Downey (a restaurant manager), I want to upload my family recipes, so that I can pass on the generations of good food to others. - 4 points

As Robert Downey (a restaurant manager), I want to change the colours/themes of my web page so that it suits my restaurant aesthetics. - 2 points

As Robert Downey (a restaurant manager), I want to change items on the menu so that I can adapt to my seasonal menu. - 5 points

As Robert Downey (a restaurant manager), I want to change restaurant information and bio so that I can keep customers informed. - 2 points

As Robert Downey (a restaurant manager), I want to have the option to mark a dish as out of stock/sold out on the web page so that I would not have to cancel on a customer. - 2 points

As Steve Hobbs (a small business owner), I want it to be simple to place orders for multiple dishes or quantities of a dish so that I can order for an entire group of people. - 2 points

As Steve Hobbs (a small business owner), I would like to be able to cancel my orders so that I do not pay for incorrect orders. - 3 points

As Steve Hobbs (a small business owner), I would like to have access to restaurants' contact information so that I can call them to modify my orders. - 1 point

As Steve Hobbs (a small business owner), I would like to see the full transaction history on my business' account for tax reasons. - 4 points

As Bob Lee (a cuisine exploring user), I want to view restaurants that serve a specific cuisine of a dish so that I can explore different cuisines. - 5 points

As Bob Lee (a cuisine exploring user), I want to be able to see pictures and reviews of dishes served at a restaurant so I can decide if it suits my siblings' appetites. - 6 points

As Bob Lee (a cuisine exploring user), I would like to be able to order from UberEats/DoorDash so that I do not need to leave my house for food. - 2 points

As Bob Lee (a cuisine exploring user), I want to be able to view the recipe of a dish so that I can attempt to recreate it at home. - 1 point

As Rachel Lin (a food ordering user), I want the restaurants to indicate what kind of food they serve so that I can select which different type of food to try. - 3 points

As Rachel Lin (a food ordering user), I want to see user ratings of the restaurant so that I can decide to choose to eat there or not. - 2 points

As Rachel Lin (a food ordering user), I want to see a list of recommended restaurants and/or dishes so I can order from restaurants that others like. - 6 points

As Alice Wong (a food ordering user), I want to search for food within a certain price range so that I can stay within my budget. - 3 points

As Alice Wong (a food order user), I want to search for new cuisines, so that I can try new types of food. - 7 points

As Alice Wong (a food order user), I want to search by proximity, so that the food comes quickly to my apartment. - 9 points

As Alice Wong (a food ordering user), I want to save/favourite my favourite dishes so that I can continue to order it and support the business. - 4 points

As Alice Wong (a food ordering user), I want to be able to see discounted foods so that I can stay within my budget for expenses. - 3 points

As Alice Wong (a food ordering user), I want the option to tip so that I can reward good service. - 2 points

As Janet Jackson (a healthcare worker), I want to rate and leave reviews for restaurants, so that I can voice my opinion on the food I eat. - 3 points

As Karen D'Souza (a restrictive food ordering user), I want to view restaurants that cater to a specific dietary restriction such as Vegetarian, Halal or Organic foods so that I can suit my family's dietary needs. - 3 points

As Karen D'Souza (a restrictive food ordering user), I want to have symbols next to restaurant dishes to denote meals that contain common allergies so I am certain that I am not consuming something dangerous. - 3 points

As Al Capone (system admin), I would like to be able to view statistics and analytics of user data so that I can gain insights into customer usage trends and modify our services accordingly. - 7 points

4 - Sprint Plan

4.1 Sprint Backlog

For our interactive sprint 1 backlog, see the Jira backlog at this [link](#).

1. [TASK] Set up Django framework on Docker - 4 points
 - Given that the developer wants to run the project locally, they should be able to run the Django server from their computers by following instructions in the README for installation and run.
2. [TASK] Set up Angular framework on Docker - 4 points
 - Given that the developer wants to run the project locally, they should be able to run the Angular client-server from their computers by following instructions in the README for installation and run.

3. [TASK] Set up MongoDB - 4 points
 - Given that the developer wants to create a database to store data, the database has been initialized in the cloud and the Django server can interact with the database while deployed to AWS.
4. [TASK] UML diagrams of system functions - 5 points
 - Given that a developer sees the UML diagrams, they should be able to determine the dependency relationships between various components of the design.
5. [TASK] Create UI for Home Page - 6 points
 - Given that the customer enters the website, they should be able to navigate on the homepage of the site without signing in. The user should be able to see the option to login, sign up, search, displays of some dishes, some restaurant owner stories, and a footer.

As a customer, I want to be able to create an account so that I can buy my food online.
(6 points in total)

6. [TASK] Create UI for signup - 3 points
 - Given that the customer is presented with a signup page, they should be able to enter their personal information such as name, address, email, and password.
 - Given that the customer clicks signup when all the required fields are filled, the customer should be redirected to the main page with their new account signed in.
 - Given that the customer does not fill in all the required fields before clicking sign up, a warning should appear and request the user to fill in the required fields.
7. [TASK] Store user data from account sign up - 3 points
 - Given that the customer presses the sign up button after filling in the required information, the new user data should be stored into the database for future consumption.

As a customer, I want to be able to login so that I can access my ordering information.
(9 points in total)

8. [TASK] Encryption and saving user login info - 6 points
 - Given that the customer clicks login when the required fields are filled out, the page should reflect the user's specific account with their information retrieved from the database.
9. [TASK] Create UI for login - 3 points

- Given that the customer is presented with the login page, they should be able to input their username and link to existing social media accounts.
 - Given that the customer clicks on login when the fields are filled out, they should be redirected to the main page with their account signed in.
 - Given that the customer clicks on login when a field is missing, an error pop up should appear telling the user to enter in the required fields.
 - Given that the customer clicks on login when at least one of the fields are incorrect, a warning should appear telling the user to ensure they have entered the correct credentials.
10. As Al Capone (system admin), I would like to be able to deploy the website to a remote server so that it can be accessed by potential food ordering customers. (6 points)
- Given that Al Capone is presented with the website link, when he enters it into the web he should be able to see the homepage of the website (indicating it can be accessed).
11. As Janet Jackson (a healthcare worker), I want to pay in debit/credit, so that I can reduce the spread of germs that comes with handling cash. (3 points)
- Given that Janet has pressed the pay button on her order, she should be able to see a window that allows her to input payment information (debit/credit info).

4.2 Assignment of Tasks

Below is a rough plan of what each team member during our first sprint:

- Winnie Lam: Set up Angular framework on Docker (2) and create the user interface for the homepage (5)
- Tony Cao: Create the user interface for the signup (6), login (9) and debit/credit card payment page (11)
- Calvin Cheng: Design the UML diagram for the various systems (4) and work on storing user data from when they sign up for an account (7)
- Robert Nichita: Set up Django framework on Docker (1) and work on deploying the website onto a remote server (10)
- Alac Wong: Set up MongoDB (3), work on encryption and save user login information (8)

The order/priority of the tasks for the sprint will be as such (keeping in mind most tasks will happen concurrently):

1. Set up Angular framework, set up Django framework, set up MongoDB
2. Design UML, deploying website
3. UI for the home page

4. UI for the signup and login, store signup and login data into the database, encryption of sensitive information
5. UI for the debit/credit card payment page

Legend

AW = Alac Wong

CC = Calvin Cheng

RN = Robert Nichita

TC = Tony Cao

WL = Winnie Lam

Iteration Plan:

Task ID	Cost	Priority	Mon (D1)	Tue (D2)	Wed (D3)	Thur (D4)	Fri (D5)	Sat (D6)	Sun (D7)	Dev
1	4	1	1	2	1					RN
2	4	2	1	2	1					WL
3	4	3	1	2	1					AW
4	5	4	1	2	2					CC
10	6	5			1	2	2	1		RN
5	6	6			1	2	2	1		WL
6	3	7	1	2						TC
7	3	8				1	2			CC
8	6	9			1	2	2	1		AW
9	3	10			1	2				TC
11	3	11					1	2		TC
Total	47		5	10	9	9	9	5	0	
Work Left	47		47	44	27	24	21	21	0	

4.3 Initial Task Board

Team Sprint 113 issues

Start sprint

Plan sprint

...

AWRNCC...

[TASK] Set up Django framework on Docker	RN	SD-63	↑	4
[TASK] Set up Angular framework on Docker		SD-62	↑	4
[TASK] Set up MongoDB	AW	SD-61	↑	4
[TASK] UML diagrams of system functions	CC	SD-69	↑	5
[TASK] Create UI for Home Page		SD-67	↑	6
As a customer, I want to be able to create an account so that I can buy my food online.	Create user and login	SD-54	↑	-
[TASK SD-54] Create UI for sign up	Create user and login	SD-59	↑	3
[TASK SD-54] Store user data from account sign up	Create user and login	SD-60	↑	3
As a customer, I want to be able to log in so that I can access my ordering information.	Create user and login	SD-56	↑	-
[TASK SD-56] Encryption and saving user login info	Create user and login	SD-64	↑	6
[TASK SD-56] Create UI for login	Create user and login	SD-66	↑	3
As Al Capone (system admin), I would like to be able to deploy the website to a remote server so that it can be accessed by potential food or	RN	SD-37	↑	6
As Janet Jackson (a healthcare worker), I want to pay in debit/credit, so that I can reduce the spread of germs that comes with handling cash.		SD-32	↑	3

TO DO

IN PROGRESS

IN REVIEW

DONE

Alac Wong2 issues

[TASK] Set up MongoDB

SD-61AW

[TASK SD-56] Encryption and saving user login info

Create user and login

SD-64AW

calvin cheng2 issues

[TASK] UML diagrams of system functions

SD-69CC

[TASK SD-54] Store user data from account sign up

Create user and login

SD-60CC

Robert Nichita3 issues

[TASK] Set up Django framework on Docker

SD-63RN

As Al Capone (system admin), I would like to be able to deploy the website to a remote server so that it can be accessed by potential food ordering customers.

SD-37RN

Robert Nichita3 issues

Calvin and Alac update Windows

SD-58RN

Tony Cao3 issues

[TASK SD-54] Create UI for sign up

Create user and login

SD-59

[TASK SD-56] Create UI for login

Create user and login

SD-66

As Janet Jackson (a healthcare worker), I want to pay in debit/credit, so that I can reduce the spread of germs that comes with handling cash.

SD-32

Winnie Lam2 issues

[TASK] Set up Angular framework on Docker

SD-62

[TASK] Create UI for Home Page

SD-67

Quickstart

Quickstart

4.4 Initial Burn-Down Chart

