

# **Agile Development (302CEM)**

## **Group Project Report**

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# **1.Introduction**

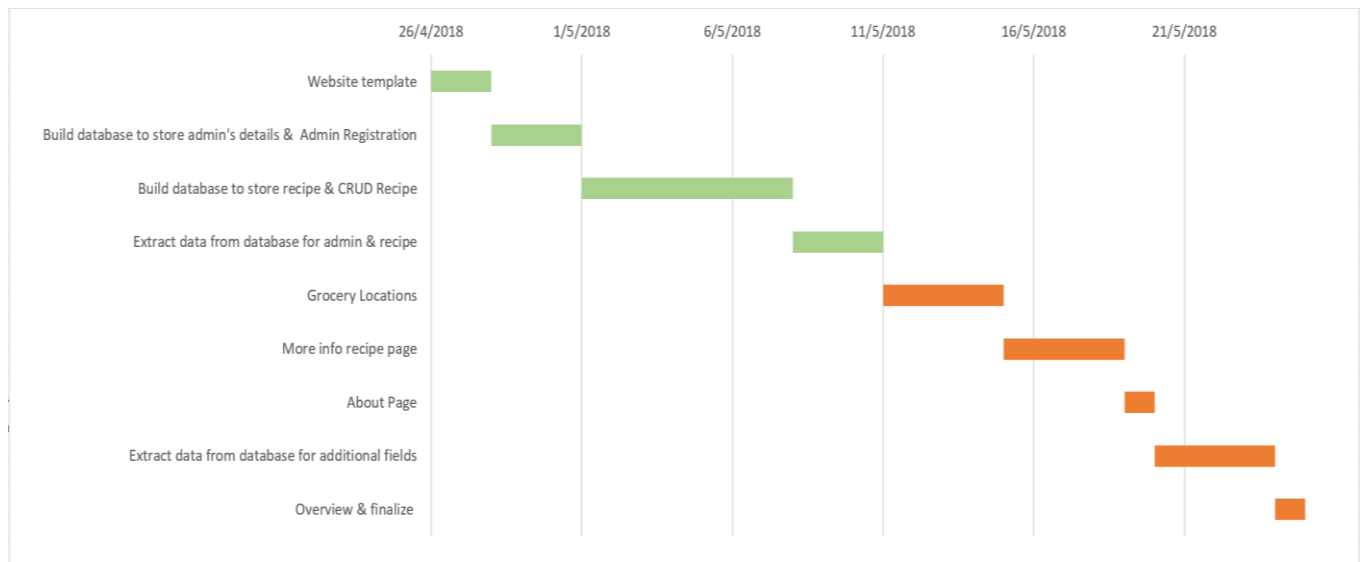
Recipe website is designed by simple, clear and friendly user interface (UI). In earlier days, people only use to show the cooking items in the newspaper, books, magazines and so forth. It is very difficult to find out the recipe of food from sources like books, people, etc. So, everyone can use this recipe website to search for recipes and cook any food at any time without requiring username and password.

## **2.Features**

- Login system
- Create cooking recipe
- Read cooking recipe
- Update cooking recipe
- Delete cooking recipe
- Use Google map to find grocery shops

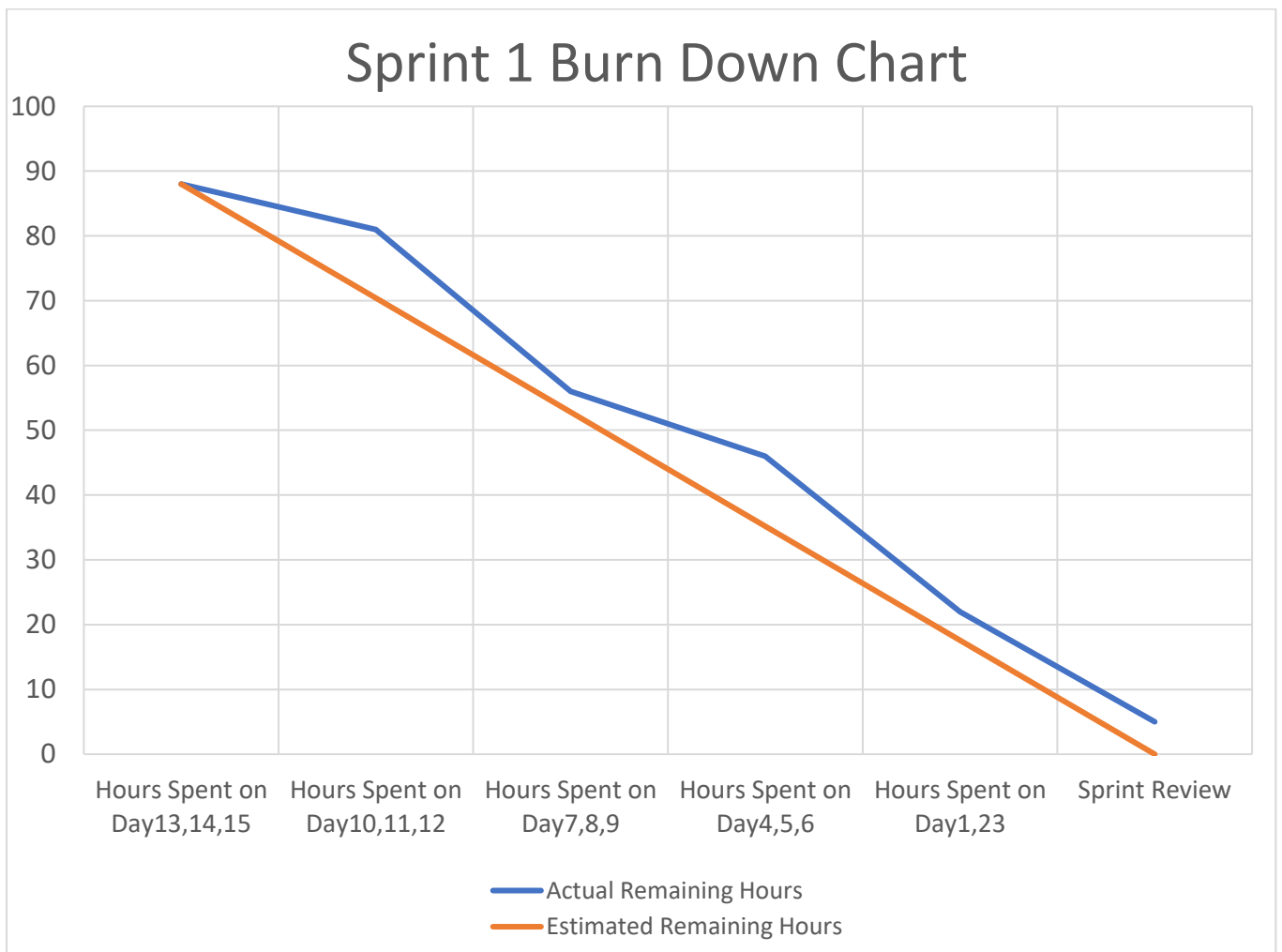
### 3. Gantt Chart

Sprint	Task	Start	Duration	End	Status
1		26 <sup>th</sup> April 2018	15days	10 <sup>th</sup> May 2018	Progress
	Website template	26/4/2018	2	27/4/2018	Completed
	Build database to store admin's details & Admin Login	28/4/2018	3	30/4/2018	Completed
	Build database to store recipe & CRUD Recipe	1/5/2018	7	7/5/2018	Completed
	Extract data from database for admin & recipe	8/5/2018	3	10/5/2018	Completed
2		11 <sup>th</sup> May 2018	14days	25 <sup>th</sup> May 2018	Progress
	Grocery Locations	11/5/2018	4	14/5/2018	Completed
	More info recipe page	15/5/2018	4	18/5/2018	Completed
	About Page	19/5/2018	1	19/5/2018	Completed
	Extract data from database for additional fields	20/5/2018	4	23/5/2018	Completed
	Overview & finalize	24/5/2018	1	24/5/2018	Completed



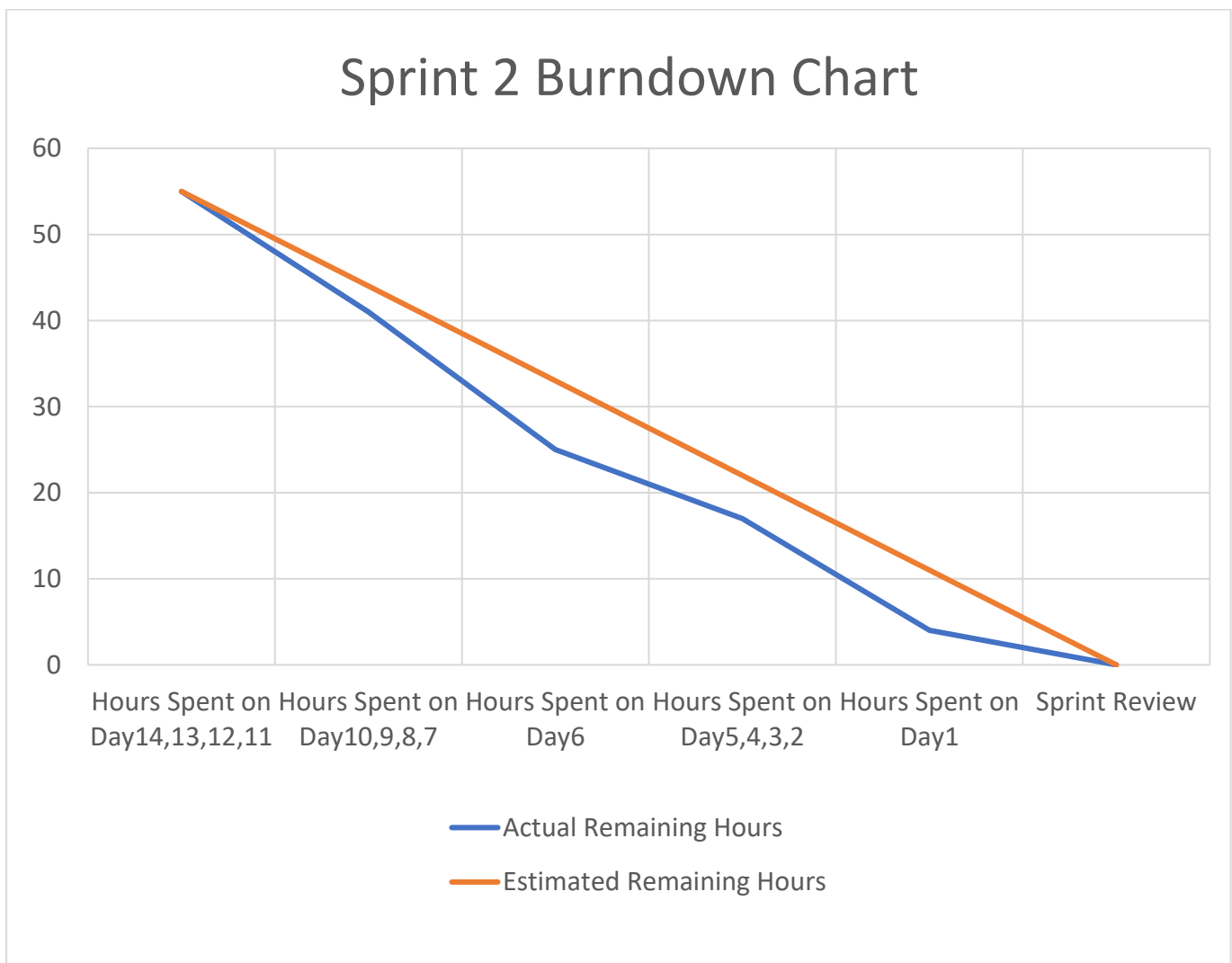
## 4. Sprint 1 Backlog with Burndown Chart

Task	Start Hours	Hours Spent on Day13,14,15	Hours Spent on Day10,11,12	Hours Spent on Day	Hours Spent on Day	Hours Spent on Day1,23	Sprint Review	Total Hours
Website template	13	7	6	0	0	0		13
Build database to store admin's details	9	0	9	0	0	0		9
Admin login	8	0	8	0	0	0		8
Build database to store recipe	17	0	0	8	9	0		17
CRUD Recipe	19	0	0	0	10	9		19
Extract from database & display recipe	13	0	0	0	3	5		8
Testing & Refactoring	9	0	2	2	2	3		9
Actual Remaining Hours	88	81	56	46	22	5		
Estimated Remaining Hours	88	70.4	52.8	35.2	17.6	0		



## 5. Sprint 2 Burn Down Chart

Task	Start Hours	Hours Spent on Day14,13,12,11	Hours Spent on Day10,9,8,7	Hours Spent on Day6	Hours Spent on Day5,4,3,2	Hours Spent on Day1	Sprint Review	Total Hours
Grocery locations	14	14	0	0	0	0	0	14
More info recipe page	16	0	16	0	0	0	0	16
About page	4	0	0	4	0	0	0	4
Extract data from database for additional	9	0	0	0	9	0	0	9
Overview & finalize	12	0	0	4	4	4	4	12
Actual Remaining Hours	55	41	25	17	4	0		
Estimated Remaining Hours	55	44	33	22	11	0		



## 6. Meeting minutes

For our group, we have a total of seven meeting, here are the meeting minutes for every meeting.

1.

Date of meetings: 24/04/2018 (Wed)  
Attendees: Lim Wee Loon(scrum master), Isabel Tiong Shu Kie(coder), Myat Su Tin(coder)  
Location: Meeting room  
Duration: 12.30pm-4.00pm

Objectives:

In our first meeting, all three group members are gathered to think of the features for our recipe website.

Discussion:

The final features we had are the following

- Food name are searched by the country origins
- The index of recipe page will be its name, price, description, country and type.
- Recipe will have a video tutorial
- Recipes are listed according to price
- GPS features where user will be able to find nearest location to get the ingredients

Roundtable:

The main objectives for our group project is not to make the product too complex but still having some up-to-level features. Su(coder), decided to use bootstraps as template referencing for the template, so all three members are assigned to find any relevant recipe bootstraps template.

2.

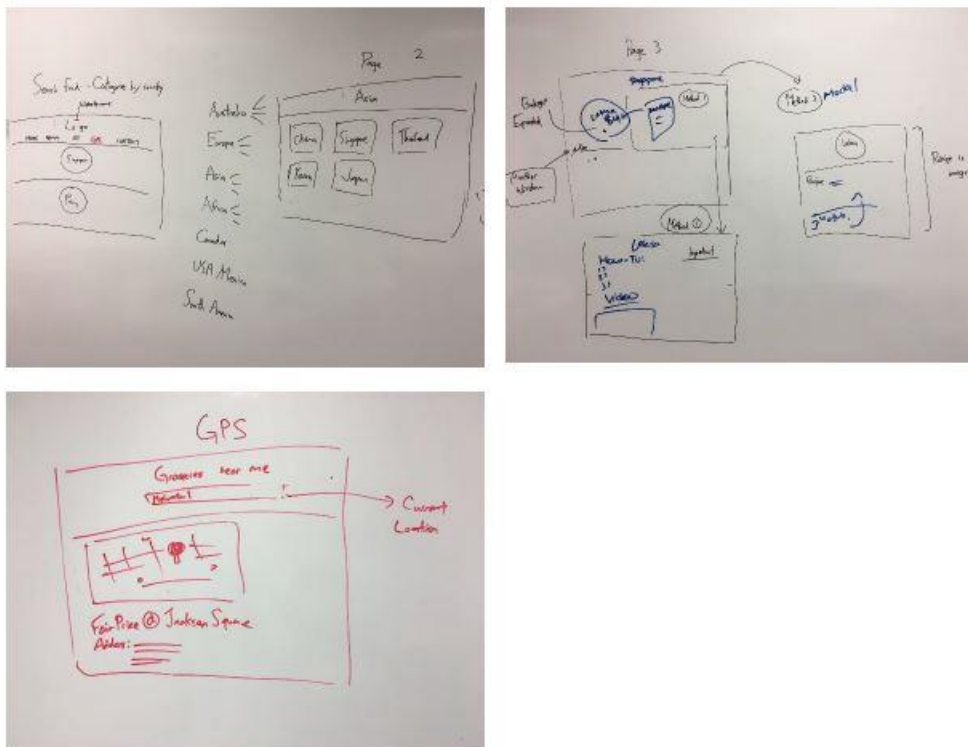
Date of meetings: 05/05/2018 (Saturday)  
Attendees: Isabel Tiong Shu Kie(coder), Myat Su Tin(coder)  
Location: Meeting room  
Duration: 10.30am-2.30pm

### Objectives:

For the second meeting, two coders discussed the template design of the product.

### Discussion:

Here are the following designs they made then:



Also, we have decided on adding a new feature called "favourite", so that user can save their favourite recipe.

### Roundtable:

After confirming the final design, Isabel was assigned to do the Homepage and CRUD page. While Su was assigned to do the recipes and GPS page. Both coder will start with a prototype for the project.



3.

Date of meetings: 08/05/2018 (Tuesday)

Attendees: Lim Wee Loon(scrum master), Isabel Tiong Shu Kie(coder), Myat Su Tin(coder)

Location: Study room

Duration: 12.15pm-3.00pm

Objectives:

In the third meeting, the two coders will start brainstorming the database and then explain to the scrum master about the add on features and design template that they discussed on the second meeting.

Discussion:

Before discussing about the database, Su stated that if we are able to finish all features on time, so we decided to put the "favourite" feature as future implementation for the project.

As for the database, we will be needing only one table, which stored the recipes' data.

Recipe database

id	Name	Price	Country	Type	Review	Image
----	------	-------	---------	------	--------	-------

Roundtable:

Since Isabel's works focused more on the database, she exchange the role of coding the homepage to the recipe page with Su. We then uploaded the static web page that we finished that day on GitHub.

4.

Date of meetings: 11/05/2018 (Friday)  
Attendees: Lim Wee Loon(scrum master), Isabel Tiong Shu Kie(coder), Myat Su Tin(coder)  
Location: Meeting room  
Duration: 12.30pm-5.30pm

Objectives:

For the forth meeting, Wee Loon will be doing the first testing and then Isabel and Su will make immediate changes of the codes if it does not work on different platform. This is considered because both coders are using Window platform while Wee Loon is using IOS.

Discussion:

Before testing, Isabel set up a IDE software for Wee Loon to manually test the project, but found issues when using a different platform, so we spent most of the time installing the software.

First testing had failed due to mysql not supported for PHP ver7.

After the version has changed, a second error appeared due to corrupted image size of the recipe. We decide to solve this problem afterwards and start discussing about the GPS features.

- We will be using Google Map API for this feature
- This feature is supposed to locate the user destination
- This feature is supposed to find 'supermarket near me'

Roundtable:

Isabel will continue on the code fixing and Su will start working on the GPS feature. The first version of our project is also uploaded on GitHub.

5.

Date of meetings: 12/05/2018 (Friday)  
Attendees: Lim Wee Loon(scrum master), Isabel Tiong Shu Kie(coder), Myat Su Tin(coder)  
Location: Study room  
Duration: 11.30am-12.15pm

Objectives:

The 3<sup>rd</sup> testing is supposed to be done by today and checking on the overall progress.

Discussion:

Wee Loon done a third testing for the project and the recipe page was fixed. Later then, Isabel decided to use simple php templates instead of the bootstraps template as the database is hard to connected with the bootstraps.

Su has occurred a series of problem due to the GPS feature. She can only made the "locate user" and "supermarket near me" individually, which means she cannot merge these two functions together. Also the GPS feature is an entire html page, but she tried to put in under the php template, but still not knowing how to do so.

Isabel had add to more columns in the recipe table for the recipe's detail page, which is ingredient and instruction.

Also, Su has did an admin login page for the CRUD.

Roundtable:

Stylesheet css are changed for the website template. Isabel will work on with the CRUD feature and also help Su for putting the GPS html inside the php template. Su will continue to find up how to combine the two functions. Isabel put the admin login page as the previous page before accessing the CRUD page.

6.

Date of meetings: 21/05/2018 (Monday)  
Attendees: Lim Wee Loon(scrum master), Isabel Tiong Shu Kie(coder), Myat Su Tin(coder)  
Location: Meeting room  
Duration: 12.30pm-06.15pm

Objectives:

Making sure the GPS will work and then doing the forth testing.

Discussion:

Wee Loon did the 4<sup>th</sup> testing for the product, which by then having the homepage, recipe page, CRUD page, admin login page. Some errors for the CRUD had occurred, so Isabel will have to refactored the CRUD feature again.

As for Su's GPS feature, she is able to merge the two functions together, but the only issues was that the "user location" is not captured automatically, user will has to insert their current location manually. Since this is better than having the functions in individual, so we think the current location feature will still can be fit in the project.

Isabel had created a hyperlink for the recipe name. When user click on the it, it will jump to the recipe's detail page.

As for the putting the GPS html inside the template, Wee Loon has contact a former classmates that is good in programming and helped us to solve that issue and also give guidance for our ways of coding.

Roundtable:

We decided to use the GPS feature that Su made and then put it under the GPS hyperlink. This version had been uploaded on GitHub that day.

7.

Date of meetings: 24/05/2018 (Thursday)  
Attendees: Lim Wee Loon(scrum master), Isabel Tiong Shu Kie(coder), Myat Su Tin(coder)  
Location: Study room  
Duration: 12.30pm-02.30pm

Objectives:

Final meeting check up.

Discussion:

The problems of the CRUD from the previous meeting are solved and Wee Loon was able to succeed the fifth testing. He will then carry on with some extreme testing afterward.

Due to not noticing of accessibility of admin login, we had removed to register feature in the admin login page.

Su also finished a new homepage and a more info page.

Since all features are looking good so far, Su had make some changes with the stylesheet for the design template.

Roundtable:

We combine every features together and run the one project file and were confirmed that the project runs smoothly. The group members will be using the following time for group and individual documentation, and also the video presentation.



## 7. Test cases

As for the software testing, we are using manual testing to test the product, here are the following test cases we did throughout the development.

### Test 1

Test Case	Expected result	Result	Remarks/suggestion
User click on home button	User will see homepage with clickable banner and title. Homepage template is ok but the banner board has no colour.	Pass	-
	User will see first introduction page. Saw introduction page with “main”, “appetizer” and “dessert”	Pass	-
User click on home button	User remain at first introduction page. Did remain in introduction page	Pass	-
User click on Recipe button	User see overview recipes. Corrupted page showed	Fail	MySQL database connection failed.

### Homepage



When Click Recipe field loading

**Warning:** mysqli\_connect(): (HY000/1045): Access denied for user 'root'@'localhost' (using password: NO) in /Users/lim/Desktop/RecipeWebsite/Model/RecipeModel.php on line 4

**Call Stack**

#	Time	Memory	Function	Location
1	0.0431	239208	{main}()	.../Recipe.php:0
2	0.1427	273000	require( '/Users/lim/Desktop/RecipeWebsite/Controller/RecipeController.php' )	.../Recipe.php:3
3	0.2249	309072	require( '/Users/lim/Desktop/RecipeWebsite/Model/RecipeModel.php' )	.../RecipeController.php:17
4	0.2659	315272	mysqli_connect()	.../RecipeModel.php:4

**Warning:** mysqli\_select\_db() expects parameter 1 to be mysqli, boolean given in /Users/lim/Desktop/RecipeWebsite/Model/RecipeModel.php on line 5

**Call Stack**

#	Time	Memory	Function	Location
1	0.0431	239208	{main}()	.../Recipe.php:0
2	0.1427	273000	require( '/Users/lim/Desktop/RecipeWebsite/Controller/RecipeController.php' )	.../Recipe.php:3
3	0.2249	309072	require( '/Users/lim/Desktop/RecipeWebsite/Model/RecipeModel.php' )	.../RecipeController.php:17
4	1.0693	315648	mysqli_select_db()	.../RecipeModel.php:5

**Notice:** Use of undefined constant mysqli\_error - assumed 'mysqli\_error' in /Users/lim/Desktop/RecipeWebsite/Model/RecipeModel.php on line 32

**Call Stack**

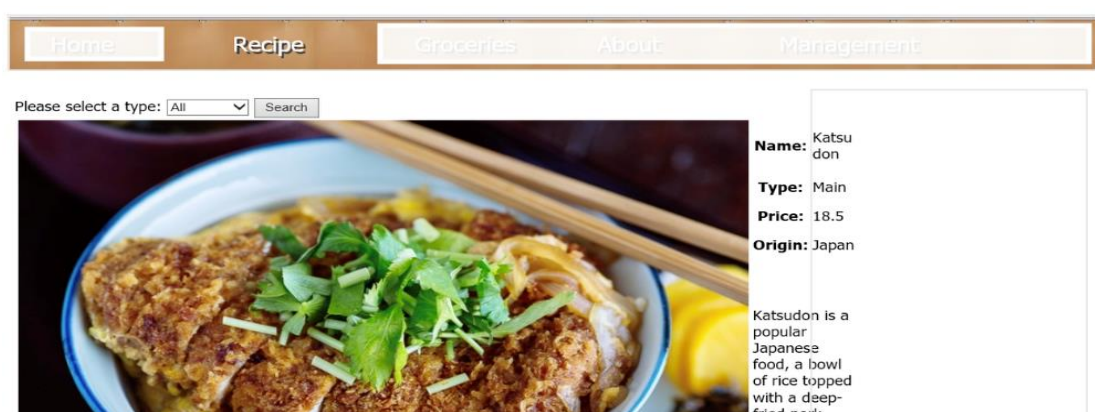
#	Time	Memory	Function	Location
1	0.0431	239208	{main}()	.../Recipe.php:0
2	1.3561	313016	RecipeController->CreateRecipeTables()	.../Recipe.php:14
3	1.3562	313288	RecipeModel->GetRecipeByType()	.../RecipeController.php:82

mysqli\_error

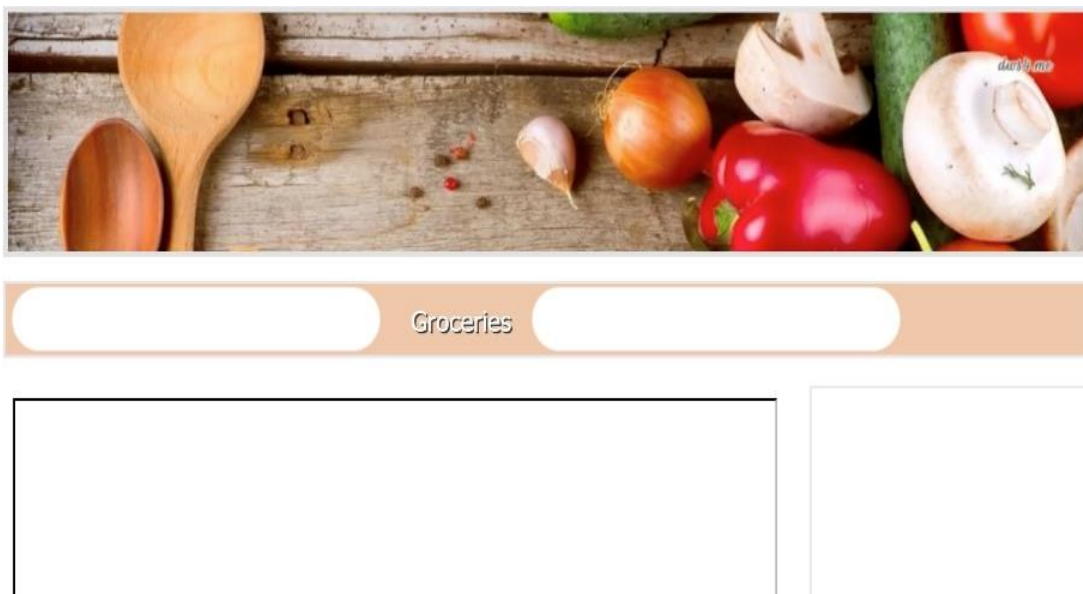
## Test 2

Test Case	Expected result	Result	Remarks/suggestion
User click on Recipe button	User see overview recipes. Saw overview recipe but in corrupted arrangement and images.  Select type at recipe will show 3 of main type select, when I select all it will show all type of food, when I select Dessert, it shows all of the part of Dessert and same with appetizer.	Pass	Images size must be same for every recipes.
User click on Groceries button	Not have any working in the button	failed	

Image, intro of product, word arrangement and images are not Arranged well.



Groceries failed loading



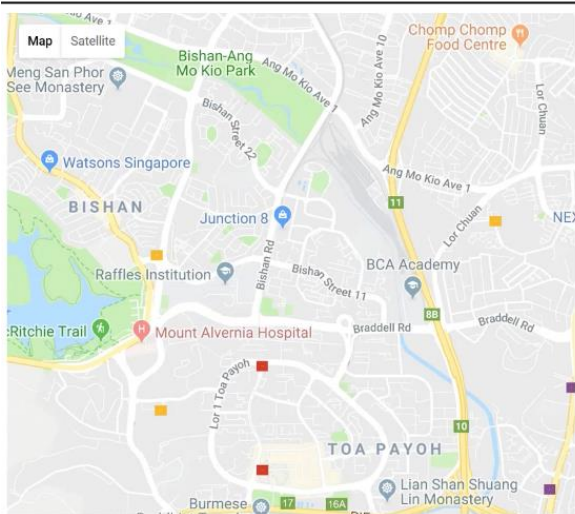


### Test 3

Test Case	Expected result	Result	Remarks/suggestion
User click on Groceries button	User see overview will see a map, first is where, it must insert where you want started, click Search, there will came out an icon the place that user insert. The next, user insert optional type that must have inside at type, then user want to select the radius and click the search. There will show the recipe where in radius have.	Pass	
User click on About button	When user click in About, user can see the information of Recipe. Inside have summery, customer service and features	Pass	
User click on Login button	Its empty	fail	

#### Groceries page

Groceries



Where:

Search for address

Keyword (optional):

Type:  

Select

Radius:  

500

Search for objects

## ABOUT PAGE FAIL TO LOADING

About

### Summary

Foodie web helps you find your favorite food recipe and you can learn how to cook it.

### Customer Service

To reach Recipe-Website Customer Support:

Email: isabeltionsk@gmail.com Phone: 1-866-528-7784

Email: myatsutin@gmail.com Phone: 1-800-837-9017

### Features

- Login system
- Create cooking recipe
- Read cooking recipe
- Update cooking recipe
- Delete cooking recipe
- Use Google Map to find supermarket for ingredients

## Test 4

Test Case	Expected result	Result	Remarks/suggestion
User click on login button	User will see the Administrator login page, when type wrong username or password they will show wrong user name password combination.  When user login issues, he/ she will see 3 functions inside, the first function is added now recipe. Second is Upload image, Recipe Overview. When click add now recipe will show out info of recipe input, inside have 6 type information want to fill in, and click submit. I need go to recipe page then it will show at the last. But before this must upload recipe image then show at the add now recipe image.	Pass	

When user type Wrong user or password



The screenshot displays the 'Administrator Login' interface. At the top, there is a brown header with the text 'Administrator Login' in white. Below the header, a light pink rounded rectangle contains the error message 'Wrong username/password combination' in a dark red font. Underneath this message, the labels 'Username' and 'Password' are positioned above their respective input fields. The 'Username' field is a simple white rectangle, while the 'Password' field is a white rectangle with a small eye icon on the right side to toggle visibility. At the bottom left of the form, there is a brown 'Login' button with white text.

## **8. Git link**

The source code for this product will be uploaded to the GitHub.

GitHub link: <https://github.com/isabeltiongsk/recipe-website/tree/Version-1>

## **9. Video link**

A demo of the final product will also be uploaded on YouTube, containing not only the demo and simple explanation, but also some explanation of the Gantt chart and burndown chart.

YouTube link: <https://www.youtube.com/watch?v=1ep2l4zhUr8&t=1s>