

Team 3

BoilerHungry Test Plan

Team Member: Naiwei Zheng, Yucong Ma,
Yibo Gou, Ge Yan,
Jiaqi Zhu

* Severity: 1 – Workaround 2 – Important 3 – Critical

1. Functional Test

ID	Severity	Title	Instruction	Expected Result
As a user, I would like to open the application from the desktop				
1	1	Visit the website using different method.	1. Open the website using http://127.0.0.1:8080/home and http://localhost:8080/home	Both url should navigate to the home page
2	2	Visit sub-dictionary directly after running the program	1. e.g. Navigate to http://localhost:8080/menu/Earhart	Enter the website of Earhart's menu
As a user, I would like to save my dietary preferences in the application				
3	2	Save my dietary preferences in the application	1. Add my dietary to preference 2. close application after addition 3. Refresh the page. AND/OR Reopen application and inspect the preferences is saved and loaded	The preferences is saved and the preferences set by user is loaded
4	2	Empty preferences in the application	1. Remove one or more dietary from preferences. 2. Refresh the page. AND/OR Reopen application and inspect the preferences is saved and loaded	The preferences is saved when modified and the preferences set by user is loaded
As a user, I would like to see the daily menu of every dining court				
5	1	Corresponding menu should appear	1. Select different dining court 2. Check if the item is correct 3.	Correct food list should appear on the website
6	2	Access daily menu when through homepage	1. Load application and direct to home 2. Access the daily menu of each dining hall through the links in home page 3. Inspect if the page matches the information should be shown	The daily menu of each dining hall should be displayed correctly and consistently

<p>As a user, I would like to add the food to the list of preferred foods, MyFood, that I want to be notified about.</p> <p>As a user, I would like to delete item from the list of MyFood.</p> <p>As a user, I would like to be able to “star” a certain food, which adds it to MyFood.</p> <p>As a user, I would like to be able to “unstar” a certain food, which remove it from MyFood.</p> <p>As a user, I would like the application to notify me if a preferred food is being served at a certain dining court.</p>				
7	1	Star multiple food and then Unstar it	<ol style="list-style-type: none"> 1. Star multiple food and check “MyFood” to see if it existed. 2. Unstar some of it and check “MyFood” to se if it has been removed 	Food should appear after Star and remove after Unstar.
8	2	Star and Unstar food in different tab or computer	<ol style="list-style-type: none"> 1. Star a food in one tab/computer 2. On the other tab/computer, click star again. 3. Back to the original tab/computer, click star. 	The Star preference should update according to the icon on the webpage.
9	2	Notifaction of “MyFoods”	<ol style="list-style-type: none"> 1. Star a food and add to “MyFood” 2. Navigate back to home page to see if it has notification. 	Notifaction should appear on the home page.
10	2	Remove from “My Foods”	<ol style="list-style-type: none"> 1. Remove some preference in MyFoods 2. Inspect if the notification updated 	The notification should be updated with the latest “MyFoods” preference
<p>As a user, I would like to see what hours the dining courts are open</p> <p>As a user, I would like to know at what times a food is being served at a dining court</p>				
11	2	Access the page where the hours are shown	<ol style="list-style-type: none"> 1. Load application and direct to page of each dining hall 2. Inspect if the hours of dining hall are shown 	The hours of each dining hall should be shown
12	2	Access the day when one of the dining hall has different hours of normal days	<ol style="list-style-type: none"> 1. Load application and direct to page of each dining hall 2. Select date when there is a different schdule for the dining hall 3. Inspect if the hours of the dining hall updated 	The hours of each dining hall should be shown
As a user, I would like to be able to close the application at anytime				
13	3	Close the	<ol style="list-style-type: none"> 1. Load applicaton and setup 	The settings and

		application with settings and preferences saved	preferences and settings in the menu 2. Close application and reopen 3. Inspect if the settings are saved	preferences set previously should saved
As a user, I would like to see the menu of a certain day in the future if available.				
14	3	Browse the futrue menu if available	1.Load the application and direct to homepage. 2.Input the time points in format dd/mm/yy in url address 3.Inspect if the page shows the correct menu	The webpage should show the correct menu for valid date input.
As a user, I would like to be able to see the address of any given dining court.				
15	2	Access the page where the address are shown	3. Load application and direct to page of each dining hall 4. Inspect if the address of dining hall are shown	The address of each dining hall should be shown
As a user, I would like to easily access the “MyFoods” list				
16	2	Access “MyFoods” list	1. Load application and add some foods to “MyFoods” 2. Access “MyFoods” list from different webpage 3. Inpsct the “MyFoods” list updated and stored	The “MyFoods” list should be accessible from different web page

2. Non-Functional Test

ID	Severity	Title	Instruction	Expected Result
The application should have very light memory usage				
1	2	Inspect memory usage	<ol style="list-style-type: none"> 1. Run application and record memory usage 2. Operate the application for long period of time 3. Inspect memory usage 	The memory should be allocate dynamically and clean up once the operation is done
Any stored data should be secure and encrypted				
2	2	Inspect if store data is Vulnerable or store in plain text	<ol style="list-style-type: none"> 1. Load application and setup settings and preferences 2. Trace the save file and inspect 	The save file should be encrypted
Application will gracefully handle errors by catching exceptions Application will gracefully handle an unsuccessful update to the menu				
3	2	Access the application homepage with high volume of requests at once	<ol style="list-style-type: none"> 1. Load application and launch high volume of request to the application webpage 2. Inspect the console log 	The application should not crash and deny requests that cannot be served
Application will not overwrite files which is not created by the app without specific permission				
4	2	Inspect the file modification history.	<ol style="list-style-type: none"> 1. Load application and launch it for a long time. 2. Inspect the history of modification of files. 	The application should not change or overwrite any other files which is not created by the app.