## 2. QA test plan:

- II. Unit Test

#### Upload recipe

HW and SW setup:

HW setup: a laptop, a desktop and a mobile phone

SW setup:

window os or macOS, python, virtualenvironment, django

Actual test cases:

Tested on a regular receipt file: the program successfully extracted all the information and stored them into the database.

Tested on a blank paper: The program didn't extra any information.

Tested on a paper with random characters on it: The program didn't extract any information.

Any bugs: none

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#### List inventory

HW and SW setup:

HW setup: a laptop, a desktop and a mobile phone

SW setup: window os or macOS, python, virtualenvironment, django

Actual test cases:

Tested on a regular receipt file: the program successfully extracted all the information and the webpage displayed all the useful information on the screen.

Tested on a blank paper: The program didn't extra any information and the webpage didn't display anything.

Tested on a paper with random characters on it: The program didn't extract any information

Any bugs: none

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### Login function

HW and SW setup:

HW setup: a laptop or desktop

SW setup: window os or macOS, python, virtualenvironment, django

Actual test cases:

Login a user account with the correct username and password: we could successfully log into the user account and saw the information displayed correctly

Login a user account with an incorrect username or password: we could log into

the user account

Any bugs: none

Analyze test coverage

Function coverage: for all the three functions above, each of them was called and tested individually. All three of them worked properly and there were no bugs.

Statement coverage: for all the three functions above, each statement inside the function were executed, and the outcome met the expectation.

Branch coverage: for all the three functions above, each case statement was tested and executed without errors.

#### II. Integration test

Functional requirements to be tested:

- Users can register an account.
- Users can view overall reports.
- Calories counter
- Able to add items into the shopping list.

## Hardware and Software Set-Up:

Device: Macbook air, Huawei, iPhone8, and Samsung.

Browers: Safari and Google Chrome

URL: http://ec2-13-57-221-62.us-west-1.compute.amazonaws.com

# QA table:

Test Case ID			Test Case Desc	ription	Able to view	overall report in I	Home Page				
Created By	d By Carolyn Chen		Reviewed By			Version				I/A	
QA Tester's Lo	g.										
Tester's Name	15	Carolyn Chen	Date Tested		December 2,	2019	Test Case (Pass	i/Fail/Not	Fail		
S#	Prerequisites:				SII	Test Data					
1	Access to Chro	Access to Chrome Browser			1	Pass	Pass				
2	Can view how many items			1	2	PASS					
3	Can view closing expire items				3	PASS					
4	Can view nutrition information				4	The graph do not present nutrition detail of the month					
Test Scenario	Verify on enter	ring valid userid a	and password, the	e customer ca	n login						
Step#	Step Details		Expected Results			Actual Result	s	Pass / Fail / Not executed / Suspended			
1	Navigate to http://ec2-13-57- 221-62.us-west-		Site should open		As Expected			Pass			
2	Click Login		Login and jump to Home		As Expected			Pass			
3	Check all information		Can see overall report		nutrition information missing			Fail			
4		Defaution		2000-00-07							

Test Case ID 1 Test Case De			Test the Register		ster						
reated By Carolyn Chen		Reviewed By				Version		N/A			
QA Tester's Log											
ester's Name		Carolyn Chen	Date Tested		December 2, 2019		Test Case (Pass	/Fail/Not	Pass		
S#	Prerequisites:				S#	Test Data					
1	Access to Chron				1	Pass					
2	Register an Account				2	Successfully C	reated an account				
3					3						
4					4						
est Scenario	Verify on enter	ing valid userid a	and password, the	customer can	login						
Step#	Step	Details	Expecte	d Results		Actual Result	ts	Pass / Fail /	Not executed	Suspended	
1	Navigate to http		Site should open		As Expected			Pass			
	221-62.us-west-										
2	Click Register		Open Register Page		As Expected			Pass			
3	Enter all data a	nd sumbit	submited and go to home		As Expected			Pass			
4											
est Case ID			Test Case Desc	ription	Able to view	Calories of an ite	m				
reated By			Reviewed By		Version		Version	N/A			
A Tester's Log											
ester's Name		Carolyn Chen	Date Tested		December 2,	2019	Test Case (Pas	s/Fail/Not	PASS		
									1.5340		
S#	Prerequisites:				S#	Test Data					
1	Access to Chron	ma Provene			1	PASS					
2					2	PASS					
3	Can see the Car	Can see the Calories of each items				PASS					
4					3						
4					4						
est Scenario	Verify on enter	ing valid userid	and password, the	e customer car	n login						
Step#	Step	Details	Expected Results		Actual Results		Pass / Fail / Not executed / Suspende				
1	Navigate to http://ec2-13-57- 221-62.us-west-		Site should open		As Expected			Pass			
2	Click Login Login and jump t		to Home	As Expected			Pass				
3			Can see Calorie	s of an item	nutrition info	formation missing		PASS			
4								1			
								11			

Test Case ID 4		Test Case Description		Able to add items from Refrigerator to shoppinglist						
Created By Carolyn Chen		Reviewed By				Version		N/A		
QA Tester's Log										
ester's Name		Carolyn Chen	Date Tested		December 2,	2019	Test Case (Pass	/Fail/Not	PASS	
S#	Prerequisites:	:			S#	Test Data				
1	Access to Chrome Browser				1	PASS				
2	Can add item into shopping list				2	PASS				
3					3					
4					4					
Test Scenario	Verify on enter	ring valid userid a	nd password, the	customer can l	ogin					
Step#	Step Details Expected Resu		d Results	Actual Results			Pass / Fail / Not executed / Suspended			
1	Navigate to http://ec2-13-57- Site she 221-62.us-west-		Site should open		As Expected			Pass		
2	Click Login Login ar		Login and jump to Home		As Expected			Pass		
3	Check Refrigerator Can		Can see an shopping list icon		As Expected			PASS		
4	Click items and click the icon		Add items into shoppinglist		AS Expected			PASS		

## Analyze:

Users are able to Register an account and see some of the information on the home page now. Still missing Nutrition information. Calories are showing next to each item but may still need to work on total Calories of the month. Users can add an item from Refrigerator to the shopping list but not able to add a lot of new items(no in your refrigerator) to the shopping list.