ReciPlan

Test Plan/Interface Control Document
Version 2

CMSC 495
For: Dr. Hung Dao
Due: 6 March 2022

Authors:
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Revision History

Revision	Date	Author	Changes
1	12 FEB 22	Josh	Initial creation of document; User management test cases
2	12 FEB 22	Scott	Added Interface Control chart
3	13 FEB 22	Josh	Search and View test cases, user modification
4	14 Feb 22	Danita	Added Create, Modify and Delete Recipe test cases, Added shopping cart test cases, Modified layout for readability
5	4 Mar 22	Josh/Danita/ Scott	Completed all test cases and added the results to each test case.
6	5 Mar 22	Scott	Added screen shots from testing.

User Management Test Cases

Test Case #	Requirement #	Test Description	Expected Result	Actual Result	P/F
1	RP-USER001	● Navigate to the website ● Click create user link ● Enter a unique email, unique username and password ● Submit the form	A new user level account is created and the user is redirected to the splash page	A new user level account is created and the user is redirected to the splash page	P
2	RP-USER001	● Navigate to the website ● Click the create user link ● Enter a previously entered email, unique username, and password ● Submit the form	Error message displayed, no user created	Error message displayed, no user created	P
3	RP-USER001	● Navigate to the website ● Click the create user link ● Enter a unique email, previously entered username, and password	Error message displayed, no user created	Error message displayed, no user created	P
4	RP-USER002	● Navigate to the website ● Enter a correct username and password ● Click Log In	User is logged in and redirected to the splash page	User is logged in and redirected to the splash page	P
5	RP-USER002	● Navigate to the website ● Enter an incorrect username or password ● Click Log In	Error message, login form is redisplayed	Error message, login form is redisplayed	P
6	RP-USER003	● Navigate to the website ● Click the forgot password link, enter a registered email, receive a link, click the link,	Users password is reset and can login	Users password is reset and can login	P

		reset the password			
7	RP-USER003	● Navigate to the website ● Click the forgot password link ● Enter an unregistered email	No error displayed; email not sent	No error displayed; email not sent	P
8	RP-ADMIN001	● Navigate to the admin portal ● Login with admin credentials ● Click users ● Select user ● Select delete user	User deleted	User deleted	P
9	RP-ADMIN002	● Navigate to the admin portal ● Login with admin credentials ● Click users ● Select user ● Select change password ● Enter new password ● Click save	Users password changed	Users password changed	P
10	RP-ADMIN005	● Navigate to the admin portal ● Login with admin credentials ● Click users ● Select create new user ● Select user privilege level ● Enter unique email and username, set password ● Click save	New admin user created	New admin user created	P

Search and View Recipe Test Cases

Test Case #	Requirement #	Test Description	Expected Result	Actual Result	P/F
1	RP-USER004	● Login to the site ● Click the search link ● Enter a search term with an existing recipe	Receive search results page	Receive search results page	P
2	RP-USER004	● Click continue as guest ● Click search link ● Enter a search term with an existing recipe	Receive search results page	Receive search results page	P
3	RP-USER004	● Login to the site ● Click the search link ● Enter a search term that has no existing recipe	Error message on search page, five alternate recipes displayed	Error message on search page, five alternate recipes displayed	P
4	RP-USER004	● Click continue as guest ● Click search link ● Enter a search term that has no existing recipe	Error message on search page, five alternate recipes displayed	Error message on search page, five alternate recipes displayed	P
5	RP-USER007	● Login to the site ● Click search ● Enter a search term with an existing recipe ● Click the recipe detail link ● Set the yield to 10 ● Click submit	Receive converted recipe for new yield	Receive converted recipe for new yield	P
6	RP-USER008	● Login to the site ● Click search ● Enter a search term with an existing recipe ● Click the metric/imperial toggle	Receive converted recipe for either metric or standard	Receive converted recipe for either metric or standard	P

7	RP-USER007	● Click continue as guest ● Click search ● Enter a search term with an existing recipe ● Click the recipe detail link, set the yield to 10, click submit	Receive converted recipe for new yield	Receive converted recipe for new yield	P
8	RP-USER008	● Click continue as guest ● Click search ● Enter a search term with an existing recipe ● Click the metric/imperial toggle	Receive converted recipe for either metric or standard	Receive converted recipe for either metric or standard	P

Recipe Creation Test Cases

Test Case #	Requirement #	Test Description	Expected Result	Actual Result	P/F
1	RP-USER005	● Log into the site. ● Click "Create Recipe". ● Enter a title, description, yield, ingredient amounts, units of measure, ingredients. ● Save recipe.	Recipe is saved. User receives a confirmation message and is redirected to the recipe detail page	Recipe is saved. User receives a confirmation message and is redirected to the recipe detail page	P
2	RP-USER006	● Log into the site. ● Click "Create Recipe". ● Enter a title, description, yield, ingredient amounts, units of measure, ingredients. ● Clear form	Form is completely cleared of all fields. Nothing is saved.	Form is completely cleared of all fields. Nothing is saved.	P
3	RP-USER005	● Log into the site. ● Click "Create Recipe". ● Omit title and original yield ● Enter description, ingredient amounts, units of measure, ingredients. ● Save recipe.	Recipe is not saved. User receives a validation error.	Recipe is not saved. User receives a validation error.	P

Shopping Cart Test Cases

Test Case #	Requirement #	Test Description	Expected Result	Actual Result	Pass/Fail
1	RP-USER0010	● Log into the site ● No items should be added to grocery list ● Click on grocery list	Message appearing saying grocery list is empty	Message appearing saying grocery list is empty	P
2	RP-USER009, RP-USER0010	● Log into the site. ● Search for an existing recipe ● click add to cart ● Click "Grocery List"	Items added to grocery list. Items should show up in a list on the Grocery List page	Items added to grocery list. Items should show up in a list on the Grocery List page	P
3	RP-USER011	From the previous test, click "remove" to remove items	Items should disappear from grocery list	Items should disappear from grocery list	P

Recipe Modification and Deletion Test Cases

Test Case #	Requirement #	Test Description	Expected Result	Actual Result	Pass/Fail
1	RP-ADMIN003	- Log into the site with admin credentials - Navigate to the admin panel - Click the reicpe - Edit the title, original yield, or ingredient - Click save - Navigate back to recipe detail page	Recipe modified and changes reflected on detail page	Recipe modified and changes reflected on detail page	P
2	RP-ADMIN004	- Log into the site with admin credentials - Navigate to the admin panel - Select a recipe - Delete the recipe - Click yes from confirmation prompt	Recipe deleted	Recipe deleted	P

Interface Control

Data between User Interface and User Management:

From	To	Name	Type	Value Range	Default Value
User Management	SQLite DB	User_name	String	1-50 chars	none
User Management	SQLite DB	Password	Alpha-Numeric	8-50 chars	None
SQLite DB	User Management	isVerified	Boolean	True False	False

Data between Recipe Creation and SQLite DB:

From	To	Name	Type	Value Range	Default Value
Recipe Creation	SQLite DB	Description	CharField	0-100 chars	None
Recipe Creation	SQLite DB	O_yield	Unsigned Integer	0-9999	0
Recipe Creation	SQLite DB	Directions	TextField	0-65535 chars	None
Recipe Creation	SQLite DB	Image	ImageField	0-1	None
Recipe Creation	SQLite DB	Url	URLField	1	None
Recipe Creation	SQLite DB	Name	CharField	1-50 char	None
Recipe Creation	SQLite DB	Amt	Unsigned Integer	1-9999	0
Recipe Creation	SQLite DB	Unit_of_measure	Dropdown List	Metric - imperial	None
Recipe Creation	SQLite DB	Cup_amt	FloatField	0-9999	0
SQLite DB	User Interface	Update_complete	Boolean	True False	False

Data between Search and SQLite DB:

From	To	Name	Type	Value Range	Default Value
Search	SQLite DB	Name	CharField	0-50	Null

SQLite DB	Search	Recipe	Object	All recipes within DB	"Not Found"

Data between User Interface and Measurement Conversion:

From	To	Name	Type	Value Range	Default Value
User Interface	Measurement Conversion	Metric_imperial	CharField	Metric - Imperial	Imperial
Measurement Conversion	User Interface	Convert	Ingredient	Metric - Imperial	None

Data between User Interface and Yield Conversion:

From	To	Name	Type	Value Range	Default Value
User Interface	Yield Conversion	Yield	Unsigned Integer	1-9999	None
Yield Conversion	User Interface	New_Yield	Ingredient	Recipe.Ingredient	1 cup

Data between User Management, Grocery List and User Interface:

From	To	Name	Type	Value Range	Default Value
User Management	Grocery List	Get_list	Cookie	Current user session	None
Grocery List	User Interface	Grocery_list	Ingredient	Ingredient.name	None

Data between Django Admin and SQLite DB:

From	To	Name	Type	Value Range	Default Value
Django Admin	SQLite DB	Create_admin	Boolean	True False	False
SQLite DB	DJango Admin	Verify_admin	Boolean	True False	False

Register

Username: [user]

Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only. Email address: [user] Password: [•••••••••••••••]

- **Your password can't be too similar to your other personal information.**
- **Your password must contain at least 8 characters.**
- **Your password can't be a commonly used password.**
- **Your password can't be entirely numeric.**

Password confirmation: [••••••••••••••]

Enter the same password as before, for verification. [Register]

User Management test case 1.

User: user | Search   Create Recipe   Grocery List   Change Password   Sign Out   **ReciPlan**

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User Management test case1.

Register

- **A user with that username already exists.**

User Management test case 2.

User Management test case 3.

User Management test case 5.

User Management test case 6

User Management test case 6.

User Management test case 8.
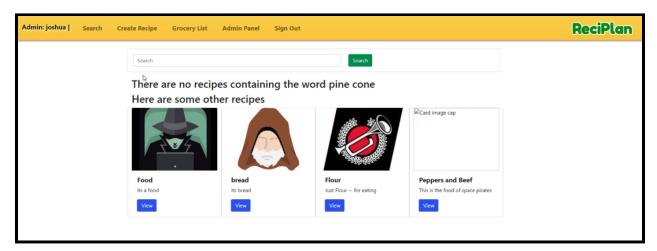

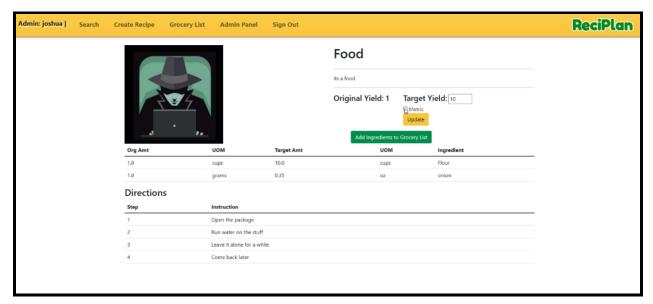User Management test case 9.

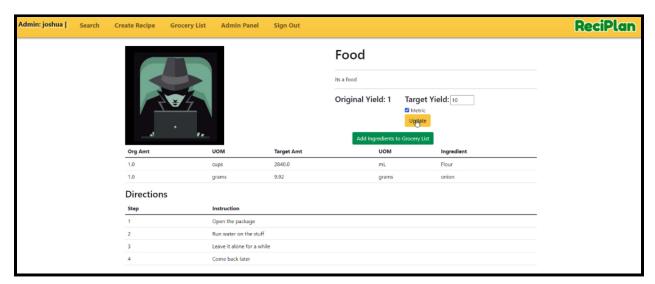User Management test case 10.

Search and View Recipe test case 1.
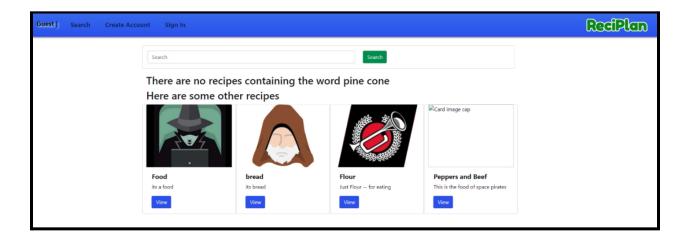
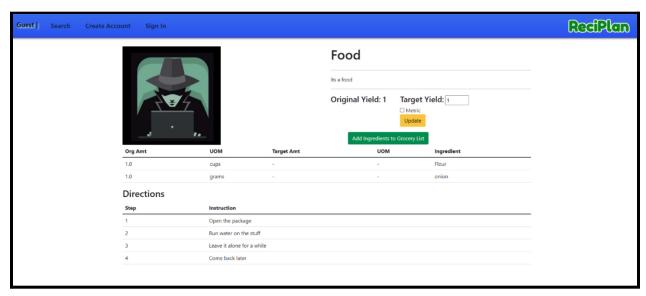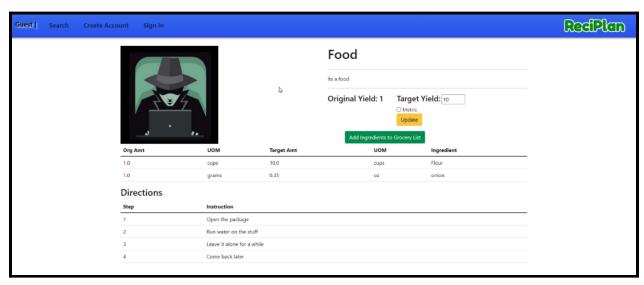Search and View Recipe test case 2.

Search and View Recipe test case 3.

Food

its a food

Original Yield: 1   **Target Yield:** 10

☐ Metric

Update

Add Ingredients to Grocery List

Org Amt	UOM	Target Amt	UOM	Ingredient
1.0	cups	10.0	cups	Flour
1.0	grams	0.35	oz	onion

Directions

Step	Instruction
1	Open the package
2	Run water on the stuff
3	Leave it alone for a while
4	Come back later

Search and View Recipe test case 4.

Food

its a food

Original Yield: 1   **Target Yield:** 10

☑ Metric

Update

Add Ingredients to Grocery List

Org Amt	UOM	Target Amt	UOM	Ingredient
1.0	cups	2840.0	mL	Flour
1.0	grams	9.92	grams	onion

Directions

Step	Instruction
1	Open the package
2	Run water on the stuff
3	Leave it alone for a while
4	Come back later

Search and View Recipe test case 5.

Search   Search

There are no recipes containing the word pine cone
Here are some other recipes

Food
its a food
View

bread
its bread
View

Flour
Just Flour -- for eating
View

Peppers and Beef
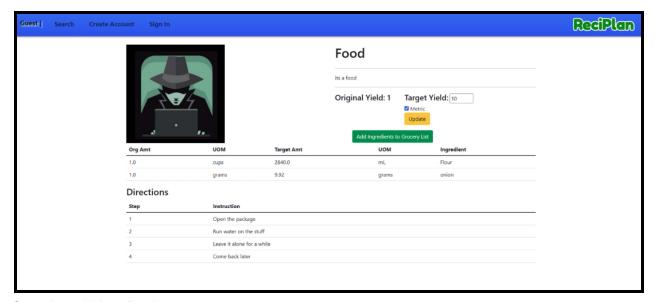This is the food of space pirates
View

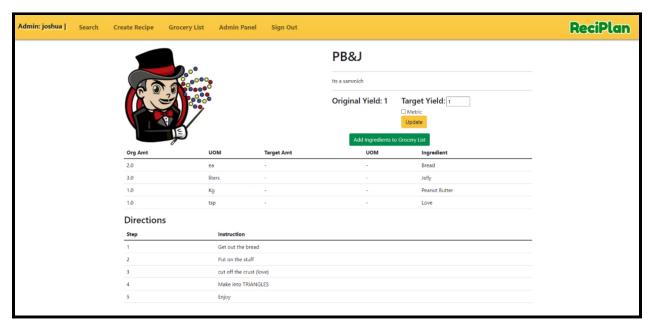Search and View Recipe test case 6.

Search and View Recipe test case 5.

Search and View Recipe test case 5.

Search and View Recipe test case 6.

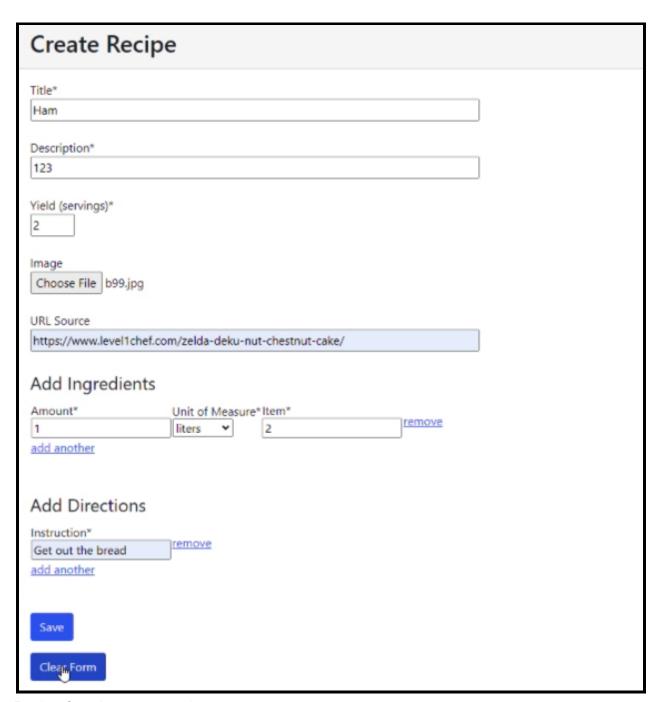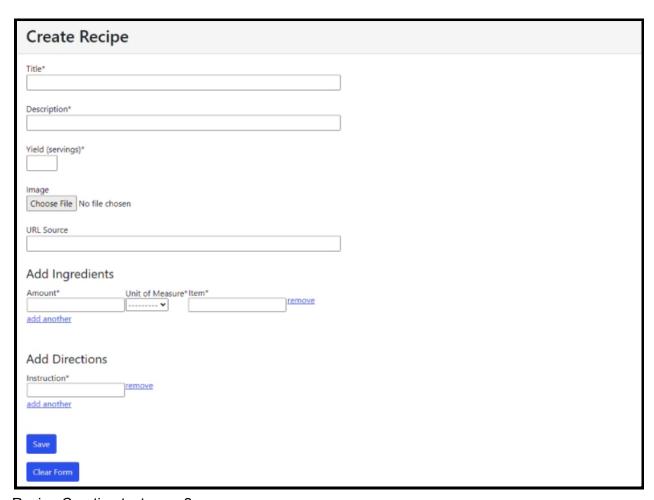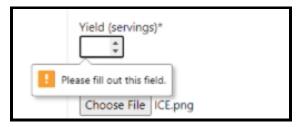Search and View Recipe test case 7.

Create Recipe

Title*

Ham

Description*

123

Yield (servings)*

2

Image

Choose File b99.jpg

URL Source

https://www.level1chef.com/zelda-deku-nut-chestnut-cake/

Add Ingredients

Amount*   Unit of Measure* Item*

1   liters ⌄   2   remove

add another

Add Directions

Instruction*

Get out the bread   remove

add another

Save

Clear Form

Recipe Creation test case 1.

Recipe Creation test case 2.

Recipe Creation test case 3.

Recipe Creation test case 3.

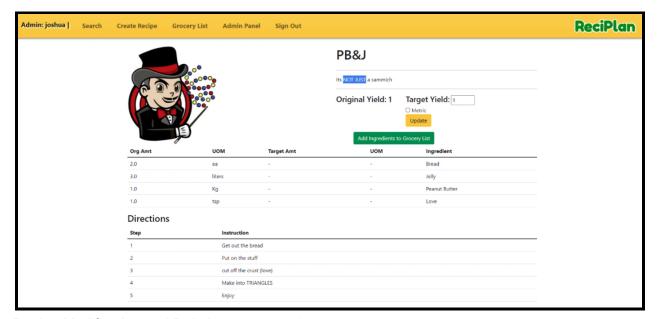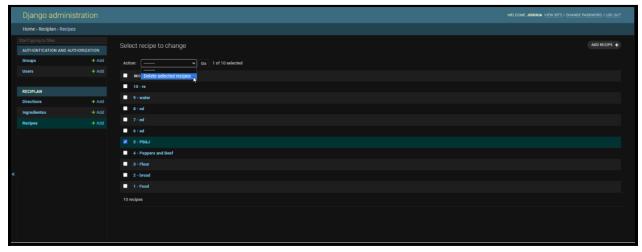Shopping Cart test case 1.

Shopping Cart test case 2.
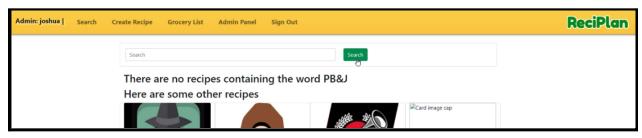

Shopping Cart test case 3.

Recipe Modification and Deletion test case 1.

Recipe Modification and Deletion test case 1.

Recipe Modification and Deletion test case 2.

Recipe Modification and Deletion test case 2.