Manual Test Plan

Prerequisites:

- IDE that support python like PyCharm, PyDev for Eclipse, Visual Studio
 Code (with plugins)
- 2. mongoDB + PyMongo

Environment Setup and configurations:

1. Download mongoDB from link:

https://www.mongodb.com/try/download/community

Choose version 5.0.3, package msi, then download.

2. Download mongoDB shell from link:

https://www.mongodb.com/try/download/shell

Choose version 1.0.7, package msi, then download.

- 3. Make a connection to database and record HOST and PORT to the .env file in the root directory. For example, use "mongodb://localhost:27017" for the connection.
- 4. Install necessary python modules.
- 5. Install node_modules in food-recipes-app directory
- 6. First scrape some recipes if no recipes in database

Operations and the results:

In the root directory, run in terminal: py -m api.flask_app
 In the food-recipes-app directory, run in terminal: npm start
 A web page will open with address: http://localhost:3000/

Tab 1:

	Food F	Recipes					
Recipes	Favourites	Update	Visualization				
Name: Yield:	All Recipes Prep Time: Sea	Match All Cook Time:	Meal Types:				
Salad in A Jar							
Pancakes							
Avocado Ice Cream	Avocado Ice Cream						
Carrot Muffins							
Cinnamon Waffles							
Burrito Bowl							
Cod with Vegetable	s and Grains Soup						
Power Bites							
Five Bean Soup							
Avocado, Berries &	Spinach Smoothie						
	Mo	ore					

Tab 2:

Recipes	Favourites	Update	Visualization
Name: Yield:	Favourite Recip Prep Time:	pes Match All V	Meal Types:
	Sea	arch	
Carrot and Walnut Muf	îns		
Avocado Ice Cream			
	Me	ore	

Tab 3:

Food Recipes Favourites Update Visualization Recipes **Update Recipe** ID: Name: Image url: Yields: Prep Time: Cook Time: Description: Meal Types: Ingredients: Instructions: Update Delete By ID Append

Tab 4:

Food Recipes

Recipes	Favourites	Update	Visualization							
	Chart									
	Field: Vields V Order: Ascending V Number of top recipes: Draw									

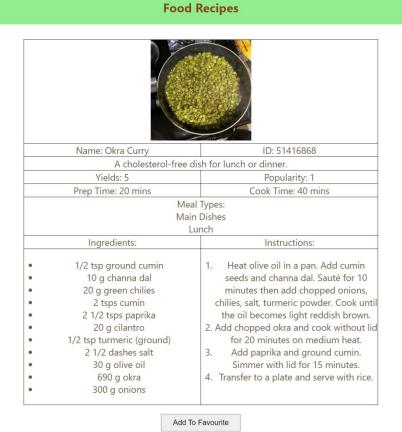
2. In the tab1, click button more, then 10 more recipes will be displayed.

	Food F	Recipes	
Recipes	Favourites	Update	Visualization
Name: Yield:	Prep Time:	Match All Cook Time:	Meal Types:
	066		
Salad in A Jar			
S Pancakes			
Avocado Ice Cream			
Carrot Muffins			
Cinnamon Waffles			
Burrito Bowl			
Cod with Vegetables a	nd Grains Soup		
Power Bites			
Five Bean Soup			
Avocado, Berries & Spi	nach Smoothie		
Crepes			
Banana Chocolate Waf	fles		
Banana Muffins			
Wegetable with Crab M	leat Salad		
Vanilla Protein Cookies	;		
Energy Bites			
Apple Banana Muffins			
Cabbage Soup			
Taco Salad			
Carrot and Walnut Mu	ffins		

3. In the form for search, type Lunch after Meal Types label and click search, then only list with meal type Lunch will show.

	Food I	Recipes	
Recipes	Favourites	Update	Visualization
Name: Yield	Prep Time:	Match All V Cook Time:	Meal Types: Lunch
Salad in A Jar			
Burrito Bowl			
Vegetable with Crab M	eat Salad		
Taco Salad			
Broccoli Mushroom Tot	fu Stir Fry		
Turkey Meatballs			
Okra Curry			
Stir Fry Turkey with Rice	e		
Tempeh Lettuce Wraps	MI.		
Beet and Hummus Sala	nd		
	M	ore	

4. Click Okra Curry, then a new page with recipe details will open.



5. Click button Add To Favourite, then this page will be refreshed and text on button will be changed to Remove From Favourite.

Food Recipes



1/2 tsp ground cumin 1. Heat olive oil in a pan. Add cumin 10 g channa dal seeds and channa dal. Sauté for 10 20 g green chilies minutes then add chopped onions, 2 tsps cumin chilies, salt, turmeric powder. Cook until the oil becomes light reddish brown. 2 1/2 tsps paprika 20 g cilantro 2. Add chopped okra and cook without lid 1/2 tsp turmeric (ground) for 20 minutes on medium heat. 2 1/2 dashes salt Add paprika and ground cumin. 30 g olive oil

Simmer with lid for 15 minutes.
4. Transfer to a plate and serve with rice.

Remove From Favourite

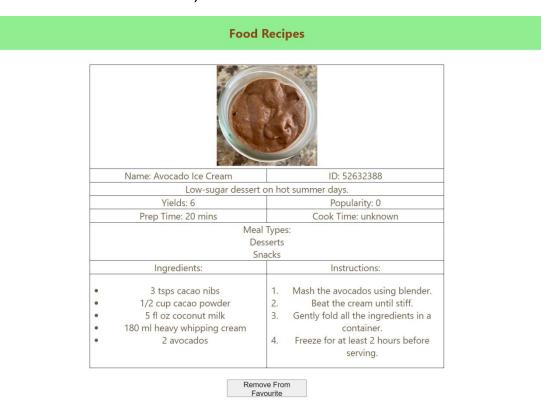
690 g okra

300 g onions

6. Go to the main page and click tab 2 Favourite, then click search, then we can see the newly added recipe Okra Curry.

Recipes	Favourites	Update	Visualization
	Favourite Recip		
Name: Yield	d: Prep Time:	Cook Time:	Meal Types:
	Sea	rch	
Carrot and Walnut Mu	ffins		
Avocado Ice Cream			
Okra Curry			
_	Мс	ore	

7. Click Avocado Ice Cream, then click button Remove From Favourite.



Food Recipes

Recipe not found

Return to the main page and click search in tab 2 Favourite, we will see Avocado Ice Cream is removed.



8. Click tab 1 Recipes, enter > 5 in Yield and Main Dishes in Meal Types, then only recipes with yields more than 5 and Main Dishes as meal type will be displayed.



Click into these recipes to check the results

9. Select Match Any in the drop down, and enter Salad in Name and <10 in Prep Time, then recipes that satisfies either of the requirements will be displayed.

Recipes	Favourites	Update	Visualization
Name of Walde		Match Any ~	Mark Town
Name: Salad Yield:	Prep Time: <10		Meal Types:
	Se	arch	
Salad in A Jar			
Vegetable with Crab Mea	t Salad		
Taco Salad			
Waffle			
Scallion Bread			
Tempeh Lettuce Wraps			
Beet and Hummus Salad			
Caprese Salad			
Greek Salad with Tuna			

Click into these recipes to check the results

10. Enter soup in Yields, then following error message will show.

Recipes	Favourites	Update	Visualization
Name: Yield	All Recipes N		Meal Types:
	Search		7 F (
GET error: Value type o			
GET error: Value type o	f the field should be integer		
	More	1	

11. Enter >5 in Name, then following error message will show.

Food Recipes						
Recipes	Favourites	Update	Visualization			
Name: >5 Yield	All Recipes	Match Any Cook Time:	Meal Types:			
	Sea	arch				
GET error: Comparison	operators not applicable for st	ring				
	Mo	pre				

12. Click tab 3 Update, enter 2333 in ID and test in Name, then click Update, error message will show.

Recipes	Favourites		ı	Jpdate	Visualization
		Update	Recipe		
	ID:	2333			
	Name:	test			
	Image url:				
	Yields: Prep Time:				
	Cook Time:				
	Description:				
	Meal Types:				
	Ingredients:				
	Instructions				

PUT error: Recipe with id 2333 is not found

13. Click Append, then success message will show.

		Food F	Recipes			
Recipes	Favourites		l	Jpdate	Visualization	
		Update	Recipe			
		2333				
		test				
	Image url: Yields:					
	Prep Time:					
	Cook Time:					
	Description:					
	Meal Types:					
	Ingredients:					
	Instructions:					
	Update	Арр	end	Delete By I	ID	

POST success: Recipe with id 2333 is inserted

Back to the tab 1 Recipes and search test and click it, then new recipe detail is like this.

Food Recipes ID: 2333 Name: test unknown Popularity: 0 Yields: 1 Prep Time: unknown Cook Time: unknown Meal Types: unknown Ingredients: Instructions: unknown 1. unknown Add To Favourite

14. Back to the tab 3 Update, add more information and click Update.

		Food F	Recipes			
Recipes	Favourites		ı	Jpdate	Visualization	
		Update	Recipe			
		2333				
	Name: Image url:	test				
		10				
	Prep Time:	11				
	Cook Time:					
	Description:	new recipe				
	Meal Types:	Editor				
	Ingredients:	air magic				
		Stand up and say It's time to witu	ness the magic			
	Update	App	end	Delete By II	D	

PUT success: Recipe with id 2333 is updated

Detail page will show like this.

Food Recipes



Add To Favourite

15. Back to the tab 3 Update, enter only 2333 in ID and ignore other inputs, then click Delete By ID.

Food Recipes									
Recipes	Favourites	Update	Visualization						
Update Recipe									
	ID: 2333								
	Name:								
	Image url:								
	Yields:								
	Prep Time: Cook Time:								
	Description:								
	Meal Types:								
	Ingredients:								
	Instructions:								
	Update	Append Delete By	ID						

DELETE success: Recipe with id 2333 is deleted

16. We only enter test no id in Name, then click Update, error message of put will show.

Recipes	Favourites			Update	Visualization
		Update	Recipe		
	ID:				
	Name:	test no id			
	Image url:				
	Yields:				
	Prep Time:				
	Cook Time:				
	Description:				
	Meal Types:				
	Ingredients:				
	Instructions:				

PUT error: Recipe id is not valid

17. We only enter test no id in Name, then click Append, error message of post will show.

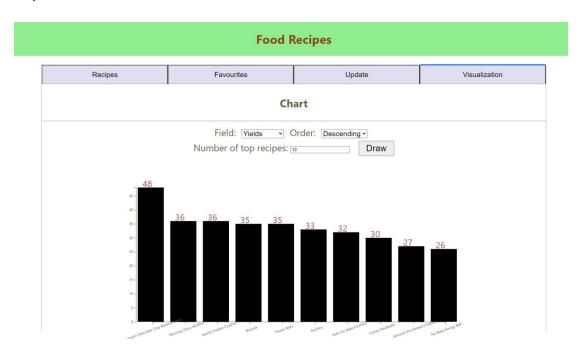
Food Recipes									
Recipes	Favourites		N.	Update	Visualization				
Update Recipe									
	ID:								
		t no id							
	Image url:								
	Yields:								
	Prep Time:								
	Cook Time:								
	Description:								
	Meal Types:								
	Ingredients:								
	Instructions:								
	Update	App	end	Delete By ID					

POST input error: Invalid recipe id

18. Click tab 4 Visualization, enter 40, then click Draw.



19. Click tab 4 Visualization, choose Descending in drop down and enter 10, then click Draw.



20. Select Popularity in Field and enter 25, then click Draw.

