

Implementation Screenshots with Description

Steps followed to start the project -

1. Open UiPath Studio
2. Create a new process
3. Click New and select Flowchart
4. Set the first sequence activity as Start Node
5. Follow the steps as shown below to achieve the above objective

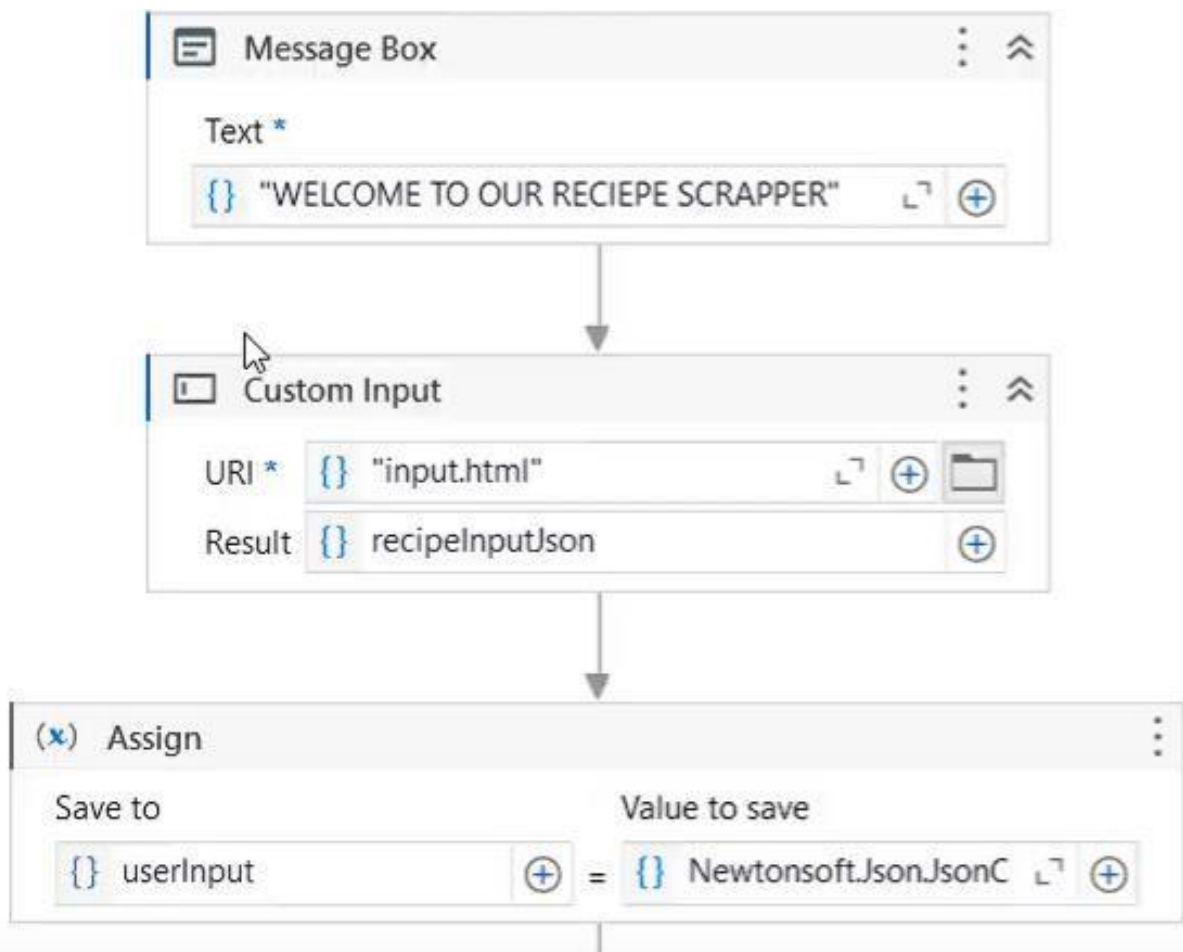


Fig 1: This UiPath flow shows a welcome message, takes input via an HTML form, and saves the parsed JSON input to a variable.

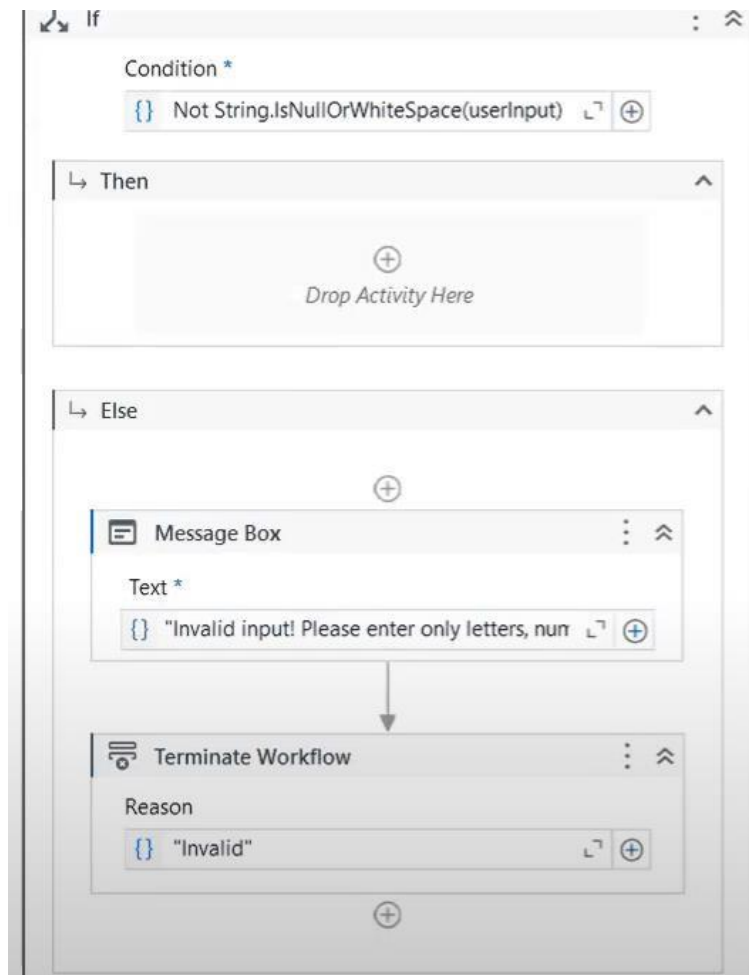


Fig 2: This If block checks if userInput is not empty. If it's empty, it shows an error message and terminates the workflow.

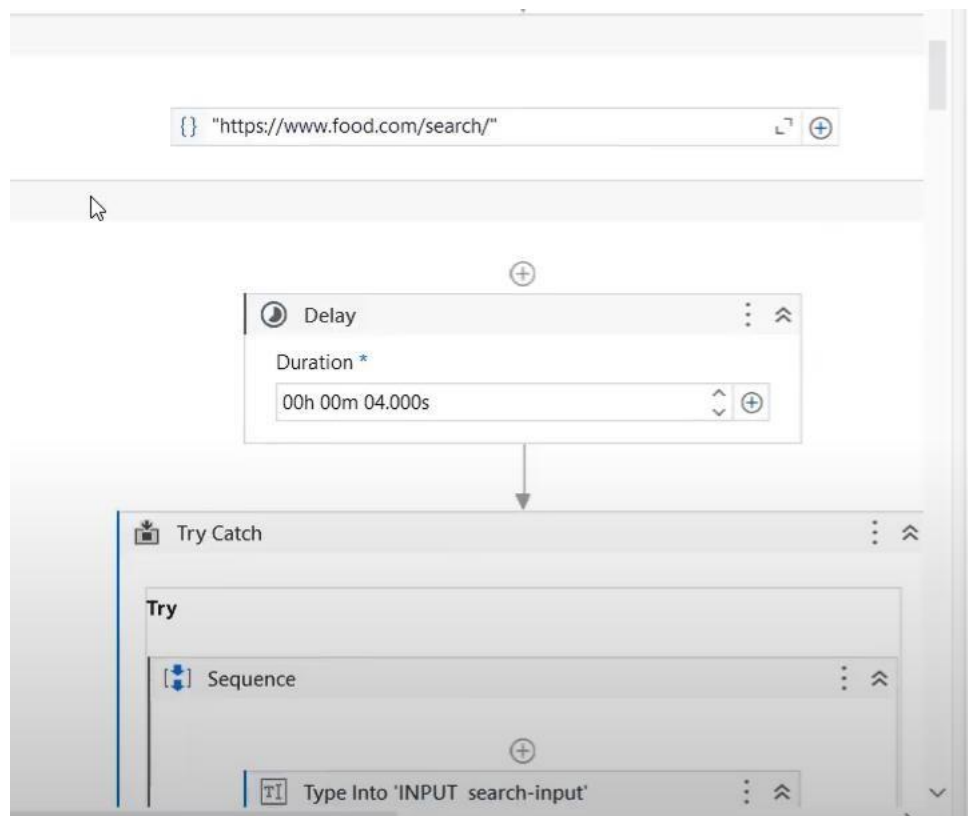


Fig 3: Browse the food website and mention the delay , use try catch activity for handling exception.

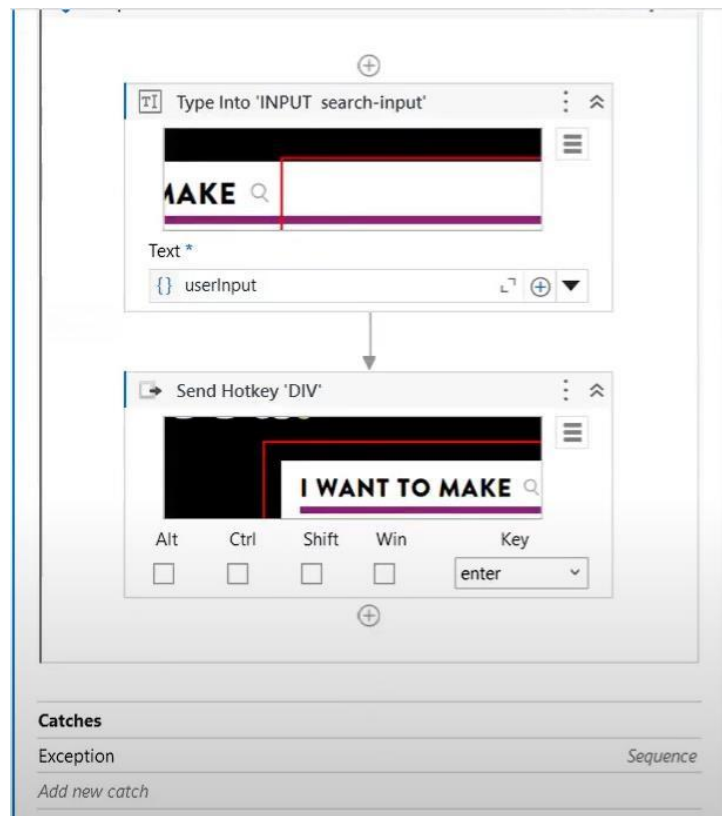


Fig 4: This flow types the user's input into a search box and then presses the Enter key to trigger the search.

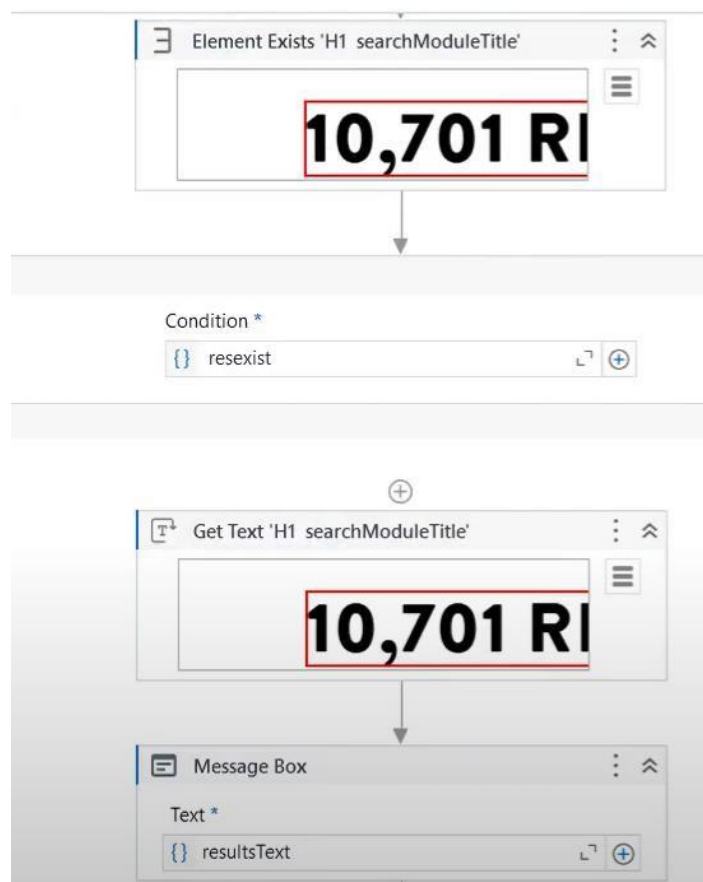


Fig 5: This flow checks if a search result element exists. If found, it extracts the text (like result count) and displays it in a message box.

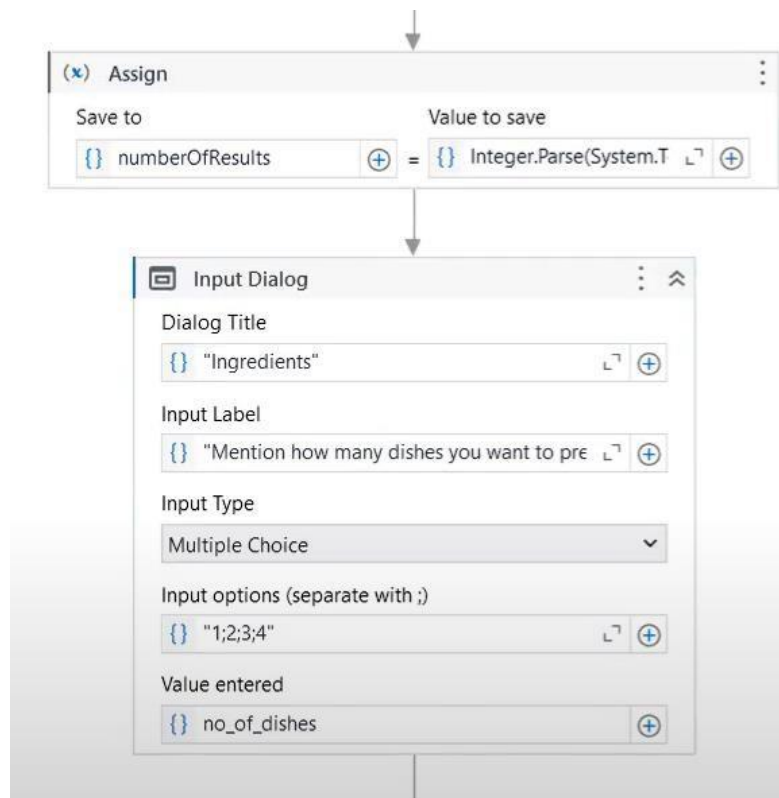


Fig 6: This flow parses the number of search results into an integer and then asks the user to choose how many dishes they want to prepare using a multiple-choice input dialog.

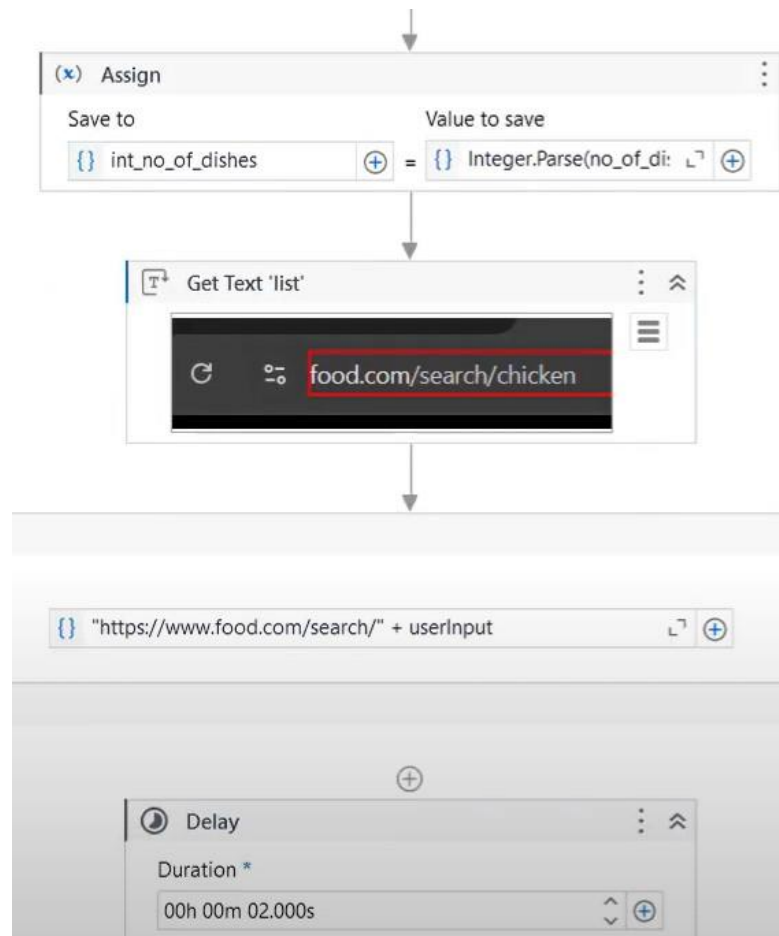


Fig 7: Converts the selected number of dishes to an integer and forms the search URL using userInput and Retrieves the URL from the browser and waits for 2 seconds using a Delay activity.

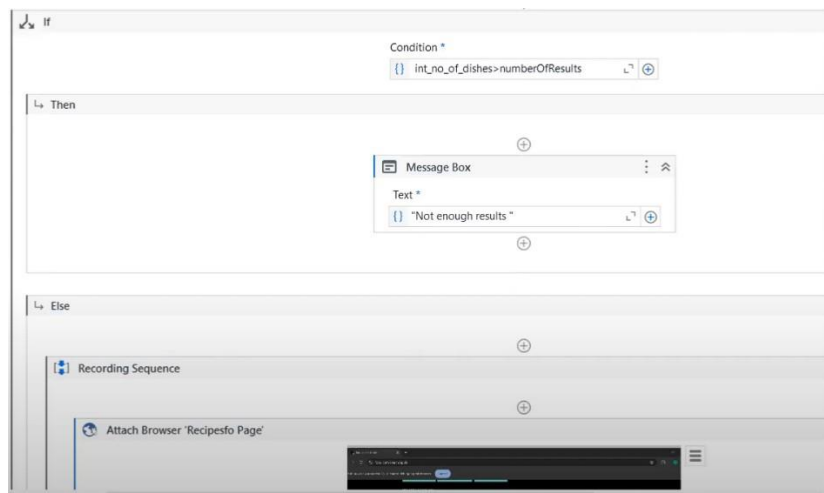


Fig 8: Checks if the requested number of dishes exceeds the available results and If true, shows a message box; otherwise, continues with the recipe extraction sequence.

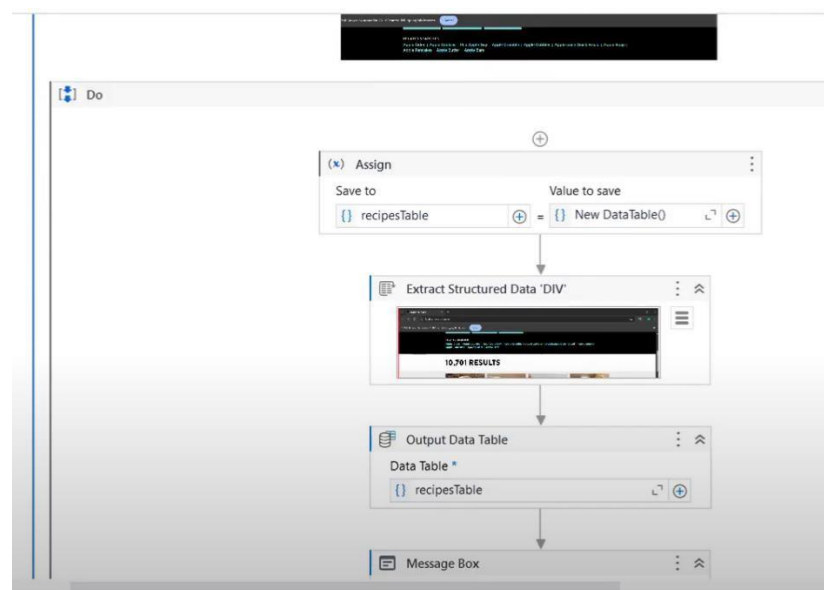


Fig 9: This UiPath workflow extracts structured data from a webpage into a data table and displays it in a message box.

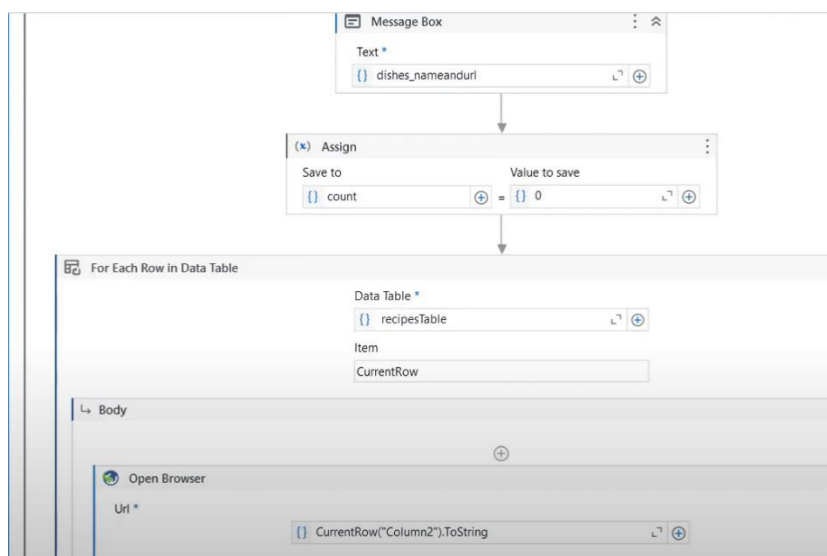


Fig 10: This part of the UiPath workflow loops through each row in recipesTable and opens the URL from browser.

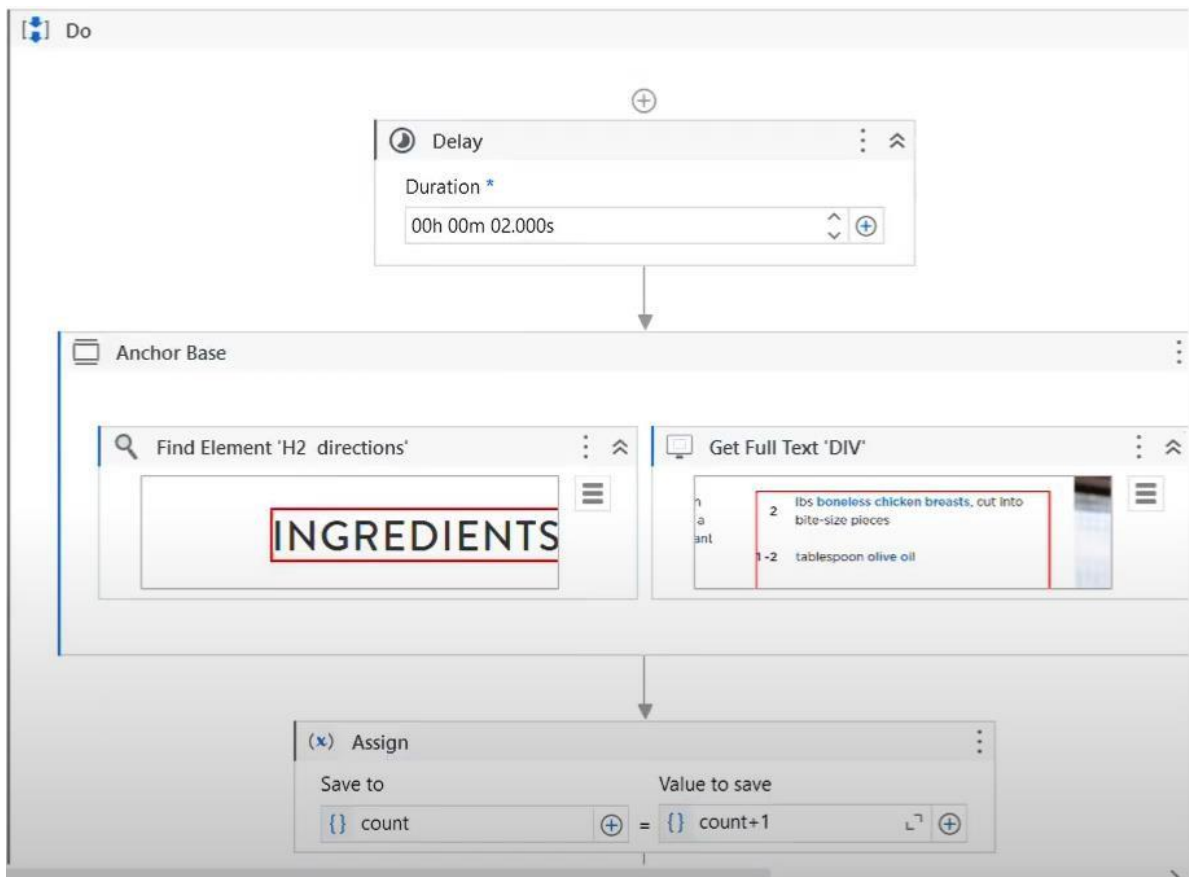


Fig 11: This UiPath segment waits 2 seconds, finds the "INGREDIENTS" section, extracts its text, and increments the count variable.

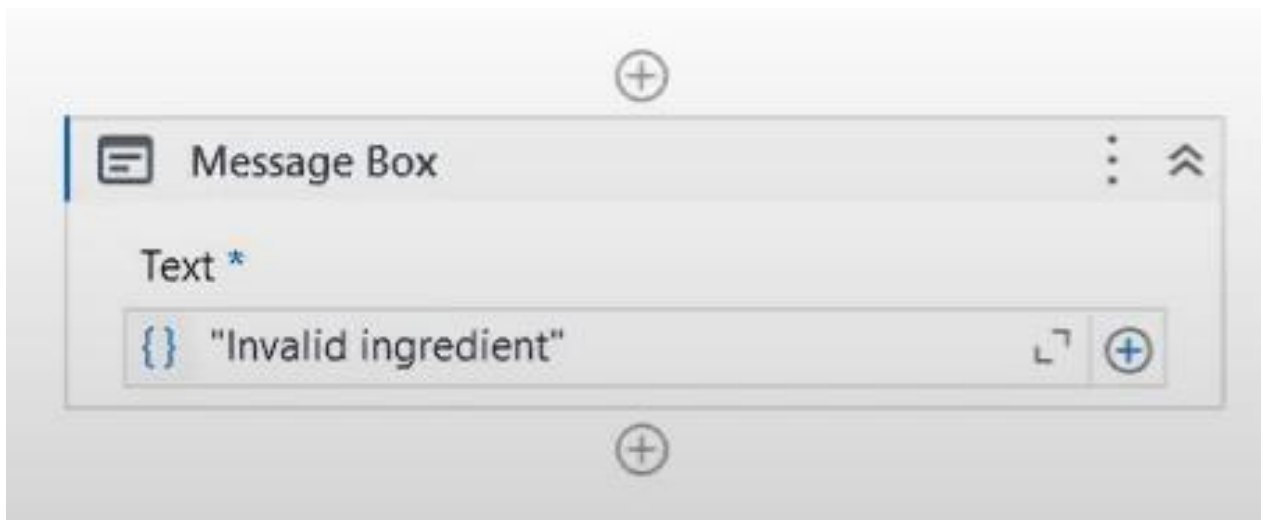


Fig 12: If you give invalid input it will display the message as "invalid ingredient"

Outputs Screenshots

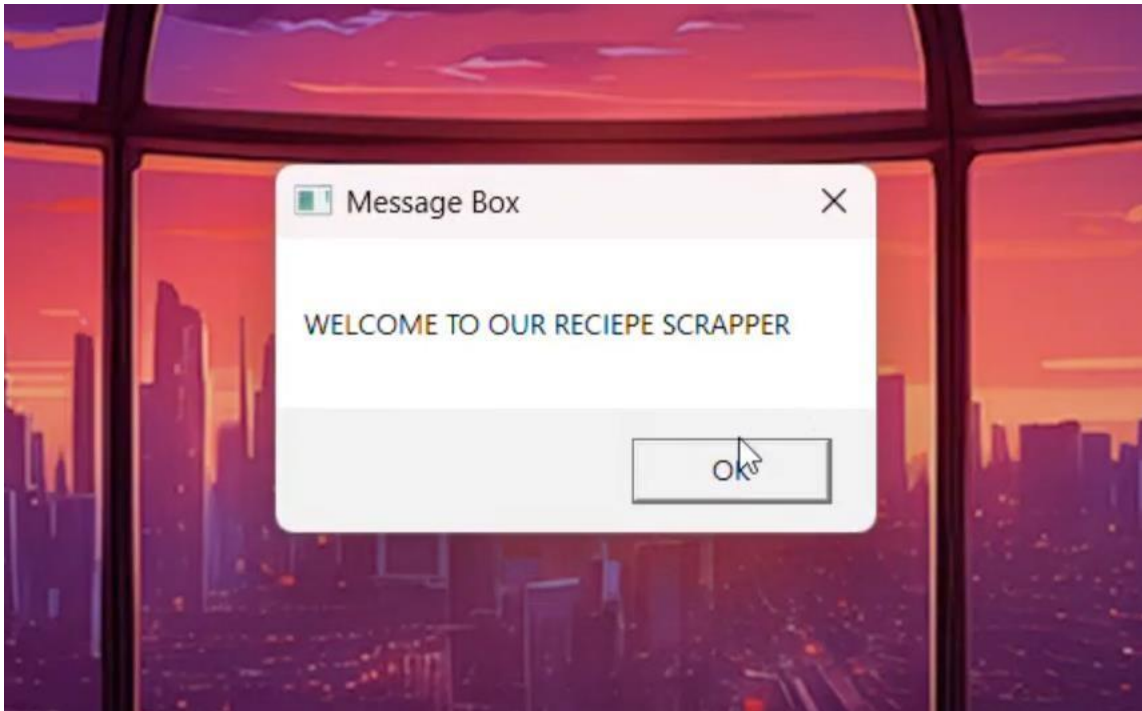


Fig 1: This is welcome message of our project

Fig 2: Give the main ingredient as a input

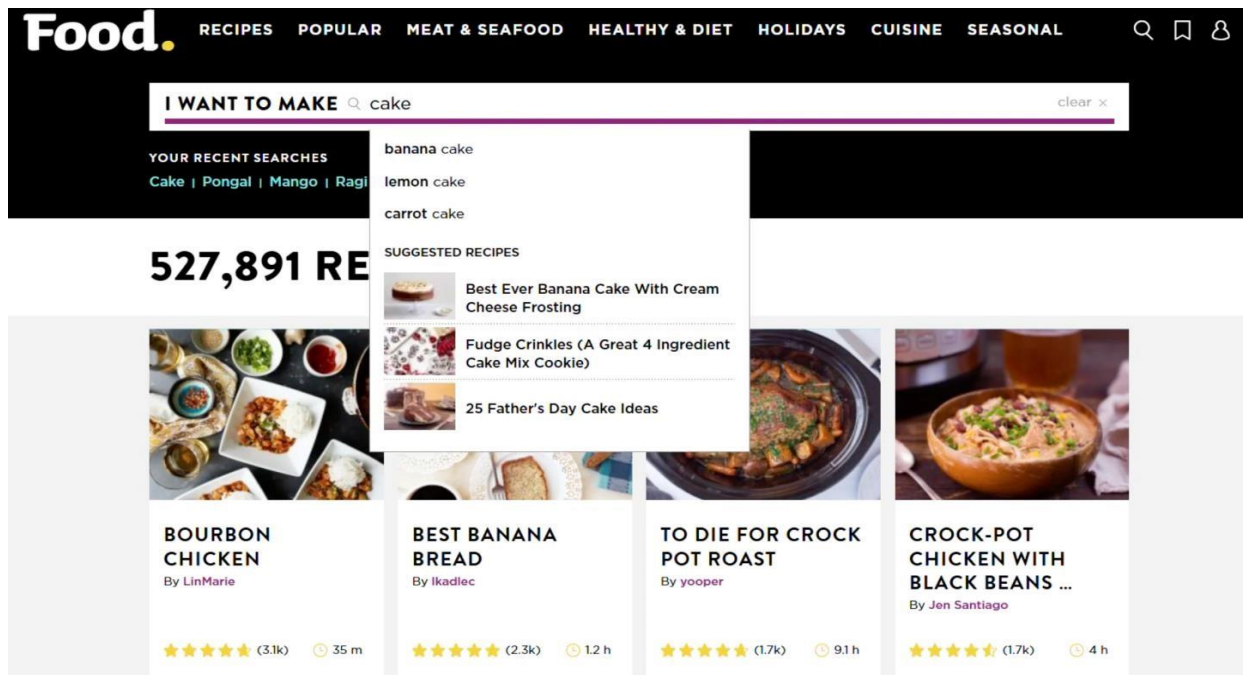


Fig 3 : It will automatically search that ingredient in food.com website

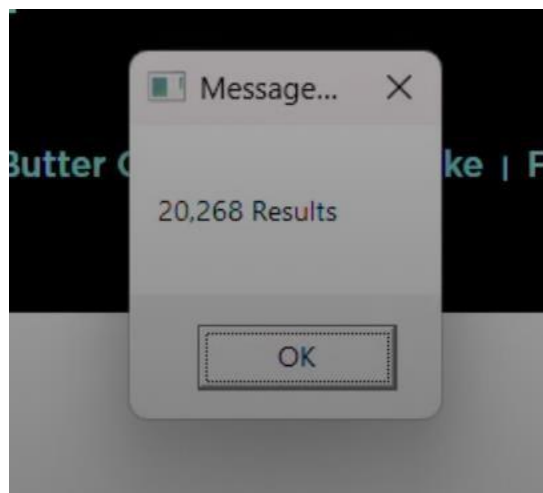


Fig 4 : It will automatically show the total recipe of that particular ingredient



Fig 5: Select the number of dishes

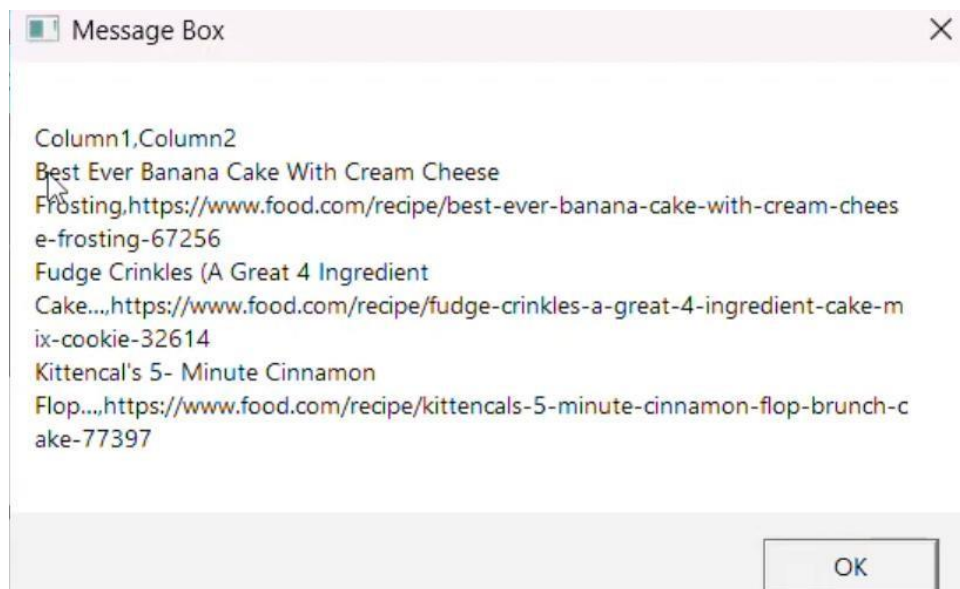


Fig 6: It shows the list of dishes

BEST EVER BANANA CAKE WITH CREAM CHEESE FROSTING



★★★★★ (1437)

EDITORS' PICK



Submitted by Rhonda J



"This is one of (if not) the BEST banana cake I have ever tasted! I thought the oven temp of 275° sounded a little low, but this cake baked up (and rose) beautifully in my oven at this temp after pretty much exactly one hour. I do not know if the little "freezer trick" to this recipe is what ensured its moistness or not, but I did it, and it was exceptionally moist & delicious. Would be interesting to...

[See More](#)



Fig 7: Description of first dishes.

FUDGE CRINKLES (A GREAT 4 INGREDIENT CAKE MIX COOKIE)



★★★★★ (687)

COMMUNITY PICK



Submitted by Karen=^..^=



"These are chewy, fudgy, SUPER EASY cookies that you can probably make right now! I have watched these disappear time and again and everyone is always asking for the recipe. It is almost embarrassing to give it out, it is that easy :) Enjoy! (12/14/06: I wanted to add that Betty Crocker has updated this recipe by adding 1 tsp. vanilla extract, but I don't want to change the original recipe.)...

[See More](#)



Fig 8: Description of second dishes

KITTENCAL'S 5-MINUTE CINNAMON FLOP BRUNCH CAKE



★★★★★ (645)

COMMUNITY PICK



Submitted by Kittencalrecipezazz

...

"Except for the the milk and small amount in the egg, the cake itself has very little fat and using low-fat milk will keep the fat to a minimum, I have stated the egg as optional, I strongly suggest to add it in for a more cake-like texture -- If you are looking for a fancy cake to serve then this is not it however for the ease of this cake it is darn good and makes a great weekend brunch cake, it's like a...

[See More](#)



I MADE THIS

Fig 9 : Description of third dishes

Banana Cake	01-06-2025 05:46 PM	Text Source File	3 KB
Fudge Crinkles	01-06-2025 05:46 PM	Text Source File	1 KB
Brunch Cake	01-06-2025 05:46 PM	Text Source File	2 KB

Fig 10: It automatically generate the dishes files in your system.

```

Banana Cake.txt X ingredients1.txt
C: > Users > prana > Downloads > recipe_scrapping[1] > recipe_scrapping[1] > recipe_scrapping > Banana Cake.txt
1
2
3
4
5
6
7
8
9
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11
12
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19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
1 1/2 cups bananas, mashed, ripe
2 teaspoons lemon juice
3 cups flour
1 1/2 teaspoons baking soda
1/4 teaspoon salt
3/4 cup butter, softened
2 1/8 cups sugar
  
```

Fig 10: After open that generated files. It will show the measurements of each and every dishes.

Conclusion

Our Recipe Scraper Bot successfully demonstrates how RPA can be applied beyond traditional business processes and into lifestyle enhancement applications. The automation performs reliably across different categories, gives consistent outputs, and saves time for users looking to explore or archive recipes.

The project shows the power of UiPath in handling:

- Web data extraction
- Dynamic user inputs
- Data structuring
- Email automation

Future Enhancements:

- Allow filtering based on **vegetarian**, **vegan**, or **gluten-free** recipes.
- Add **PDF export** feature for printing cookbooks.
- Integrate with **Google Sheets** for collaborative access.
- Implement **voice assistant integration** (e.g., Alexa or Google Assistant).
- Enable **bulk category scraping** for weekly meal planning