# What is fruit?

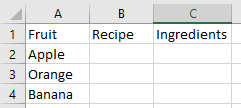
## Prerequisites:

Install UIPATH Community Edition: <https://www.uipath.com/community>  
You may want to have a copy of Microsoft Excel installed too, where you find this is up to you.  
 Note: This can be completed without Excel by utilising notepad and a CSV file instead  
Sign-up for an API key at: [https://ndb.nal.usda.gov/ndb/doc/index#](https://ndb.nal.usda.gov/ndb/doc/index) (Click ‘Sign up now’ text)

## Excel:

Create an excel/CSV file with 3 columns; Fruit, Recipe, Ingredients

In the fruit column, add 3 rows; Apple, Orange, Banana (Leave Recipe and Ingredients Blank)



## The Problem:

Prompt the User to input the name of a fruit

Check to see if the inputted fruit name exists in column A of our Excel/CSV file

*Fruit does not exist:*

Search for the user’s input using [this API](https://ndb.nal.usda.gov/ndb/doc/apilist/API-SEARCH.md), requesting a JSON formatted response  
 Test to see if the word “fruit” exists within the response

“*Fruit” does not exist in response:*

Display a message that says, “I don’t believe this is a fruit” and ask the user if they’d like to try again or exit.

Try again: Return to the start and prompt the user for the name of a fruit

Exit: End process

*“Fruit” does exist in response:*

Add the fruit to the next available row in the excel file

Continue from *“Fruit does exist”*

*Fruit does exist*

Navigate to Taste.com.au and search the fruit name

Look at the top 3 (Non-Featured) recipes and identify which has the most ingredients

Store the Recipe name in Column B next to the relevant fruit

Store the Ingredients in column C, separated by a new line with no excess white space

Prompt the user to ‘Start Again’ or ‘Exit’

**Use your workflow to populate Apple, Orange, Banana and one fruit of your choosing.**

**Submit your project folder and completed excel file in a .zip**

If you have any issues with any of the steps, you may simplify where applicable. I.e.:

*if selecting the top 3 recipes is too challenging, select any single recipe.*

## **Appendix 1 – Program Flowchart**

A screenshot of a cell phone

Description automatically generated

## **Appendix 2 – API Resources**

API: <https://ndb.nal.usda.gov/ndb/doc/apilist/API-SEARCH.md>

API Key Request: [https://ndb.nal.usda.gov/ndb/doc/index#](https://ndb.nal.usda.gov/ndb/doc/index)