About GoogleDirectionAPI.Activities :

Two activities which utilizes Google Location API (Google maps) to find the distance, duration ,and get output response string in XML or JSON between origin and destination addresses.

About Google Directions API:

The Google's Directions API is a service that calculates directions between locations. You can search for directions for several modes of transportation, including transit, driving, walking, or cycling.

Note: 1) The Response code is of type Integer (Int) and all other input and output variables are of type String
2) Mode is required field and values accepted are "xml" or "json" [lower case only]

Activities:

a) GetTrip Distance And Duration: Get Trip distance and duration based on Origin and destination addresses (works the similar way as Google maps)
   - Input: Origin address , Destination address & Google API key
   - Steps: Google Location API will calculate the distance and duration based on the origin and destination addresses
   - Output: Response status code, Distance in Miles or Kilometer and Duration

b) GetResponse Output: Get trip details response in XML or JSON

   - Input: Origin address , Destination address , Google API key and Mode (xml or json)
   - Steps: Google Location API will calculate the distance and duration based on the origin and destination addresses
   - Output: Response status code & Response output in XML

Setup the package:

1. Open the UiPath project
2. Go to Manage Packages
   a) Click on G0!
   b) search for 'GoogleLocationAPI.Activities' and install the package
3. check if the 'GoogleLocationAPI.Activities'' activity is available
4. Setup Google api key and enable Google Location Services
5. Login to your google mail account
6. Go to https://console.developers.google.com/
7. Activate your free Trial

8. Agree and continue.

9. Provide your address and card details [No auto charge after free trial ends]
10. Click on 'Google API' logo to get to the home page
11. Click on 'Credentials' -> Create Credentials
12. Choose ' API Key'
13. Note down the API Key [This is the Key to be used in the automation]
14. To Enable 'Direction API', Click on 'Google API' logo to get to the home page
15. Click "Enable APIS and services"
16. Search for 'Direction API'
17. Enable it

More details on the Google direction API can be found here :

https://developers.google.com/maps/documentation/directions/intro