# Pseudocode

The pseudocode below represents the logic of the application but doesn’t include the code for the GUI representation. This was used as a starting point and so there might be changes made from this to the code

Create client id variable and add value

Create client secret variable and add value

Create token URL variable and add value

Declare function for getting user access token

Add header information

Return access token

Create api url variable and add url for api request

Declare function for making call to api

Add header information

Return json data

Declare function for reading file and making api request

Read csv file

Add each line of file into a separate entry of an array

Find length of array for number of lines of file

Call user access token function save to variable

Call api call function save to variable

Create empty array to store product info

Create empty array to store product line for entries that aren’t found

Create total price variable

Create a while loop to read through each line of the code

Save current line to a temporary variable

Add product code to a variable

Add quantity to a variable

Create variable for URL for api call and add product code

Save api response to a variable

If status is returned in response then

If status is equal to 404

Product isn’t found and added to product isn’t found array

Else

Product isn’t found and added to array

Else

Find unit price save to variable

Calculate total price

Add all relevant info to a string to be displayed

Product found and added to correct array

While loop to iterate through product found array

Display each line to GUI

While loop to iterate through products not found array

Display each line to GUI