End to End Test for Pymiles

Unit testing using unittest was not achieved, partly due to impracticality due to the nature of the project with database files and GUi programs at either end. Instead an end to end test was carried out which will be documented here. Further testing would be desirable if time had permitted.

1. Run the extract\_history\_data module, this will extract the Google history data

Graphical user interface, text, application, email

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1. Output file of new\_monthly\_claim.csv is checked and found to be correct

Text

Description automatically generated

1. Now that the data has been loaded “main” routine from the project can be run

Check if the option to delete records from the GUI works- records are selected and highlightedGraphical user interface, application

Description automatically generated

1. The selected records have been removed therefore the test has passed

Graphical user interface, application

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1. Submit button is taken, this should load a .csv file and also load up the database mileage file Graphical user interface, text, application, table

   Description automatically generated

6.Emailing

Next the button to send an email can be taken. This test was fail as it no longer worked although it worked on August 3rd, two weeks ago.

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7.Next accounts department or account simulation takes place

Graphical user interface, text, application, Word

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8.The database file Personclaim is checked beforehand and after the calculation:

Graphical user interface, text, application, email

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After running the calculate option the correct values are shown on the Person claims file and they also correspond with the sum of values shown for mileage this month

Graphical user interface, text

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Now the Expense button is pressed:

The result is a graph of the Person claims data!

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