SOFTWARE FOR DIGITAL DEVELOPMENT MODULE

(CIS4044-N-BF1-2022)

NAME: GERALD CHUKWUEMEKA JUWAH

STUDENT ID: B1959734

PROJECT:

Black Box Testing for Element 2

In Course Assessment



Black Box

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| --- | --- | --- | --- | --- | --- |
| Test Number | Process | Input | Expected out | Actual Out | Pass/Fail |
| G001 | Initialize GUI | Run the code GUI ICA.ipynb from Jupyter lab | Graphics User interface should come up | Graphics User interface ran | Pass |
| G002 | Test GUI file | 1. Run GUI code 2. Click on the Police report button | Details of the police report should printout in text area and graph should appear in the Jupyter Lab | Details of the police report printed out in text area and the graph appear in Jupyter Lab | Pass |
| G003 | Test GUI file | 1. Run GUI code 2. Click on the Covid 19 report button | Data analysis of the various Covid 19 cases should generate in Jupyter lab | Data analysis of the various Covid 19 cases were generated in the Jupyter lab | Pass |
| G004 | Test GUI file without internet connection | 1. Run GUI code 2. Click on the Police report button | Code should prompt an error as it is not connected to the web, | Code give an error message of : **urllib.error.URLError: <urlopen error [Errno 11001] getaddrinfo failed> as it is not connected to the web** | Pass |
| G005 | Test GUI file without access to the source folder | 1. Run GUI code 2. Click on the Covid 19 report button | Code should prompt an error as the source folder does contain the require file, | Code give an error stating “No file with that name in this directory” | Pass |