

Test Data Plotting:

1. Open a new App instance
2. Create new account
3. Login with the new account
 - a. Should see the app homepage
 - b. Check the debug console to ensure the correct user was logged in
☐ Ensure there is no data currently being displayed (Acceptance Criteria #1)
4. Hit 'Add Plot'
☐ Ensure an appropriate error message is displayed: 'You have no data to display.'
(Acceptance Criteria #5)
5. Hit 'Import Data'
 - a. Select any of the 3 demo files.
 - b. Should see a success message in the GUI
 - c. Hit 'Continue'
 - d. The debug console should show the data that was imported as strings
 - i. ' ' are file separators
 - ii. ';' are column separators
 - iii. ',' are row separators
 - e. Ensure the imported data is as expected
6. Go back to the homepage
7. Hit 'Add Plot'
 - a. Should see a pop-up at the bottom of the homepage in the GUI
 - b. Click the white box under 'Choose which data to plot'
☐ Ensure that all expected data type options (ie. motor, sensor...) are shown and selectable (Acceptance Criteria #2)
 - c. Click the white box under 'Select Data type for the x-axis'
 - d. Select an appropriate x-axis, ensuring the options appear correctly
 - e. Repeat for the y-axis
☐ Ensure that all the expected data labels are selectable options (i.e. time, rpm, etc.) for both the x-axis and y-axis (Acceptance Criteria #3)
 - f. Click 'Create Graph'
☐ Ensure a graph is rendered on the homepage with the appropriate orientation of data
(Acceptance Criteria #4)
8. Hit 'Add Plot' (using the SampleDemo data)
 - a. Should see a pop-up at the bottom of the homepage in the GUI
 - b. Click the white box under 'Choose which data to plot'
 - c. Select 'Motor'
 - d. Click the white box under 'Select Data type for the x-axis'
 - e. Select 'Time (s)'
 - f. Click the white box under 'Select Data type for the y-axis'

- g. Select 'Angular Velocity (rad/s)'
 - h. Click 'Create Graph'
- ☐ Ensure an appropriate error message is displayed: 'The x-axis must have the same number of elements as the y-axis' (Acceptance Criteria #6)
 - a. This is because that x-axis has 10 elements and the y-axis only has 9, you can verify this in the corresponding 'SampleDemo_Motor.csv' where the data was extracted from.
- 9. Hit 'Add Plot' (using any data)
 - a. Should see a pop-up at the bottom of the homepage in the GUI
 - b. Click the white box under 'Choose which data to plot'
 - c. Select any
 - d. Click the white box under 'Select Data type for the x-axis'
 - e. Select any
 - f. Click the white box under 'Select Data type for the y-axis'
 - g. Select the same axis as you did for the x-axis
 - h. Click 'Create Graph'
- ☐ Ensure an appropriate warning message is displayed: 'You have selected the x-axis to be the same as the y-axis. This is an unusual request.' You should still be able to continue to plot it though. (Acceptance Criteria #7)