Name: Bradley Willcott

ID: M198449

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Assessment Task (AT 2.6)

Jupiter Mining Corporation

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# Debugging

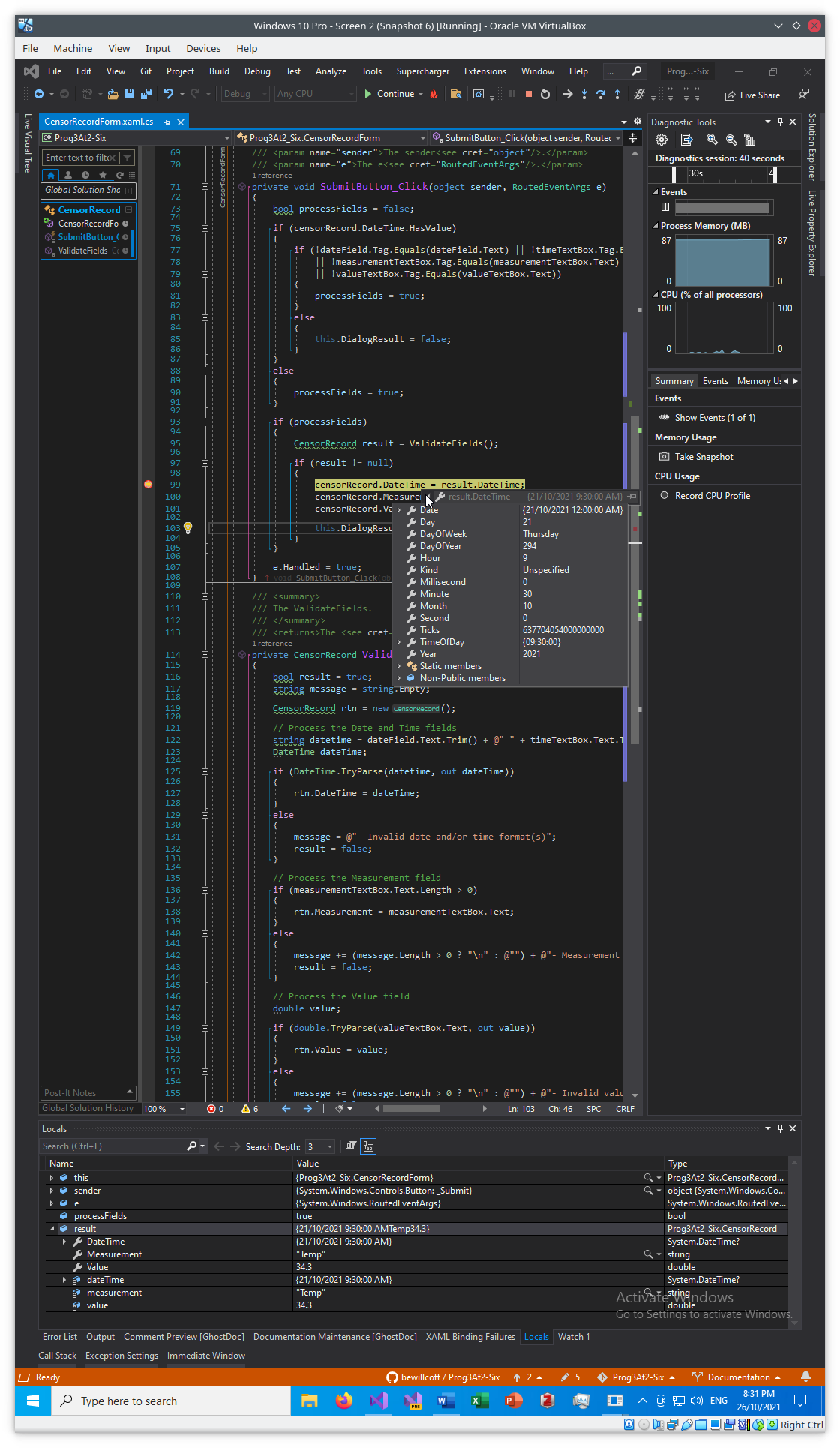


Figure – Showing the values of the new DateTime

# Testing

Table 1: Testing results

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Case | Description | Expected | Actual | Evidence |
| #1 | Run the GUI program | Display the program | As expected | Figure 2 |
| #2 | Display Help/About | Show dialog box | As expected | Figure 3  Figure 4 |
| #3 | Do File/New | Show empty table | As expected | Figure 5  Figure 6 |
| #4 | Add a Reading | Display “Sensor Reading Form”, add new reading to table | As expected | Figure 7  Figure 8  Figure 9  Figure 10  Figure 11 |
| #5 | Save to file: “SensorData1.csv” | Show process of saving data to file | As expected | Figure 12  Figure 13  Figure 14 |
| #6 | Close file | Back to empty page | As expected | Figure 15  Figure 16 |
| #7 | Open csv file: “SensorData.csv” | Show table of data loaded | As expected | Figure 17  Figure 18  Figure 19 |
| #8 | Try to add incomplete or invalid data | Show various error messages | As expected | Figure 20  Figure 21  Figure 22  Figure 23  Figure 24  Figure 25  Figure 26  Figure 27  Figure 28 |
| #9 | Try to Close the file | Warning dialog | As expected | Figure 29  Figure 30 |
| #10 | Try to Exit program | Warning dialog | As expected | Figure 31  Figure 32  Figure 33  Figure 34  Figure 35  Figure 36 |
| #11 | Save and Exit | Program terminates without complaints. | As expected | Figure 37  Figure 38 |

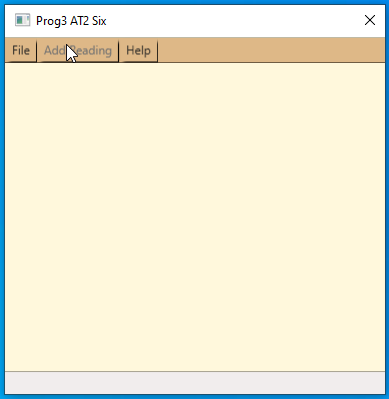


Figure – GUI program started

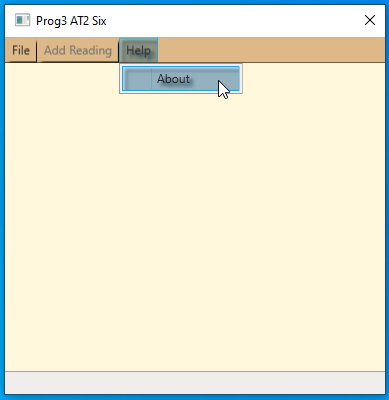


Figure – Display Help/About - A

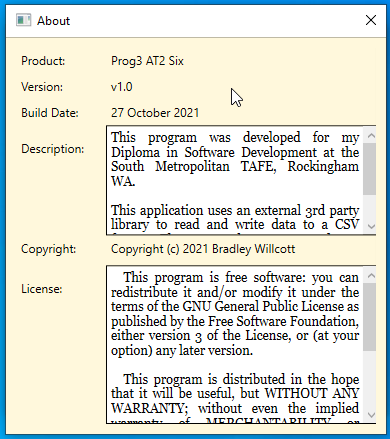


Figure – Display Help/About – B

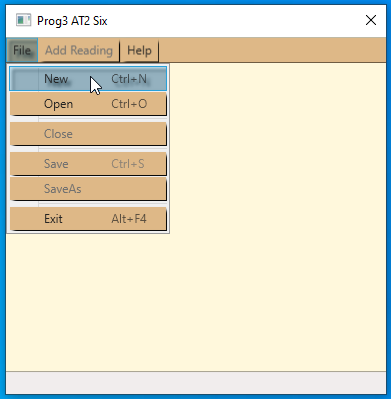


Figure - File/New - A

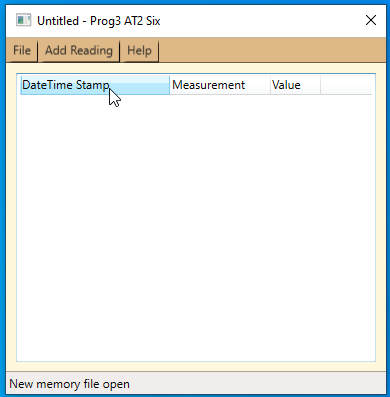


Figure - File/New - B (Untitled)

Graphical user interface

Description automatically generated

Figure - Add a Reading - A

Graphical user interface, application, email

Description automatically generated

Figure - Add a Reading - B (Sensor Reading Form)

Graphical user interface, application, calendar

Description automatically generated

Figure - Add a Reading - C (Sensor Reading Form)

Graphical user interface, application

Description automatically generated

Figure - Add a Reading - D (Sensor Reading Form)

Graphical user interface, application

Description automatically generated

Figure - Add a Reading - B (Sensor reading added)

Graphical user interface, application

Description automatically generated

Figure - Save to file- A

Graphical user interface, text, application

Description automatically generated

Figure - Save to file- B (Save CSV File As)

Graphical user interface, text, application

Description automatically generated

Figure - Save to file- C (Status message)

Graphical user interface, application, PowerPoint

Description automatically generated

Figure - File/Close

Graphical user interface, application, Word

Description automatically generated

Figure - file closed

Graphical user interface

Description automatically generated

Figure - File/Open - A

Graphical user interface, text, application

Description automatically generated

Figure - File/Open - B (Open CSV File)

Graphical user interface

Description automatically generated

Figure - File opened

Graphical user interface, text

Description automatically generated

Figure - Test data validation - A (Add reading)

Graphical user interface, application, email

Description automatically generated

Figure - Test data validation - B (Add empty data)

Graphical user interface, application

Description automatically generated

Figure - Test data validation - C (Validation failed)

Graphical user interface, application, email

Description automatically generated

Figure - Test data validation - D (Bad data)

Graphical user interface, text, application

Description automatically generated

Figure - Test data validation - E (Validation failed)

Graphical user interface, application

Description automatically generated

Figure - Test data validation - F (One empty field)

Graphical user interface, application

Description automatically generated

Figure - Test data validation - G (Validation failed)

Graphical user interface, application, email

Description automatically generated

Figure - Test data validation - H (All correct - finally)

Graphical user interface

Description automatically generated

Figure - Test data validation - I (Data added)

Graphical user interface

Description automatically generated

Figure - File/Close - A

Graphical user interface, application

Description automatically generated

Figure - File/Close - B (Closing File)

Graphical user interface

Description automatically generated

Figure - File/Exit - A

Graphical user interface, application

Description automatically generated

Figure - File/Exit - B (Warning dialog)

Table

Description automatically generated with low confidence

Figure - 'X' Close - A

Graphical user interface, application

Description automatically generated

Figure - 'X' Close - A (Warning dialog)

Graphical user interface

Description automatically generated

Figure - Window control Close - A

Graphical user interface, application

Description automatically generated

Figure - Window control Close - A (Warning Dialog)

Graphical user interface

Description automatically generated

Figure - File/Save

Graphical user interface

Description automatically generated

Figure - File/Exit

# References