Deliverable: Week-9 study hall -1(E15)

G. Jawahar | 170004 | ADC 25-09-18

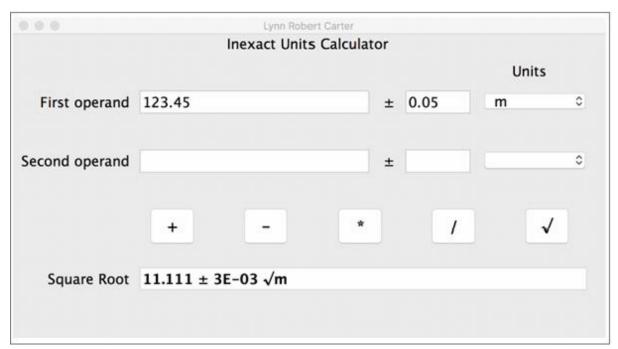
List of Requirements for Project-1:

program-4

- 1. Enhance the square root calculator with U Number Library.
- 2. There are 5 buttons to perform operations (Add, Multiply, subtract, divide and square root).
- 3. There are two text fields to take input for the operations and for square root the second text field is ignored.
- 4. The should be displayed with more significance in the result text field.
- 5. Error messages should be displayed in red colour.

Program-7

- 1. Enhance the U Number calculator with error term and units.
- 2. Add the error term text field to first operand and second operand.
- 3. Add the unit's selection drop doem list to first operand and second operand.
- 4. The error term and the units should be displayed in the result text field.
- 5. The selected operation should be displayed before the result text filed as a label.
- 6. Error messages should be enhanced according to the input.



Test cases:

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| S.no | Test case |
|------|--|
| 1. | The two input text fields should accept the input for the user. |
| 2. | The two input text fields for error term should accept the input for |
| | the calculating the error term. |
| 3. | The Unit drop down list should contain all the units in the English |
| | unit or metric form. |
| 4. | All the buttons $(+, -, *, /,)$ should perform their operations and |
| | should return the correct result without error. |
| 5. | The label result should change after performing the operation and |
| | should the name of the specific operation have performed. |
| 6. | Unit conversion can be done after the result of the operation is |
| | displayed. |
| 7. | The calculator should access the U Number library for displaying |
| | more significant output. |
| 8. | Error messages should be displayed when a wrong input is entered |
| | in the text field. |