

420-SF3-RE

Program Development In A Graphical Environment

Deliverable 4 – Project Implementation

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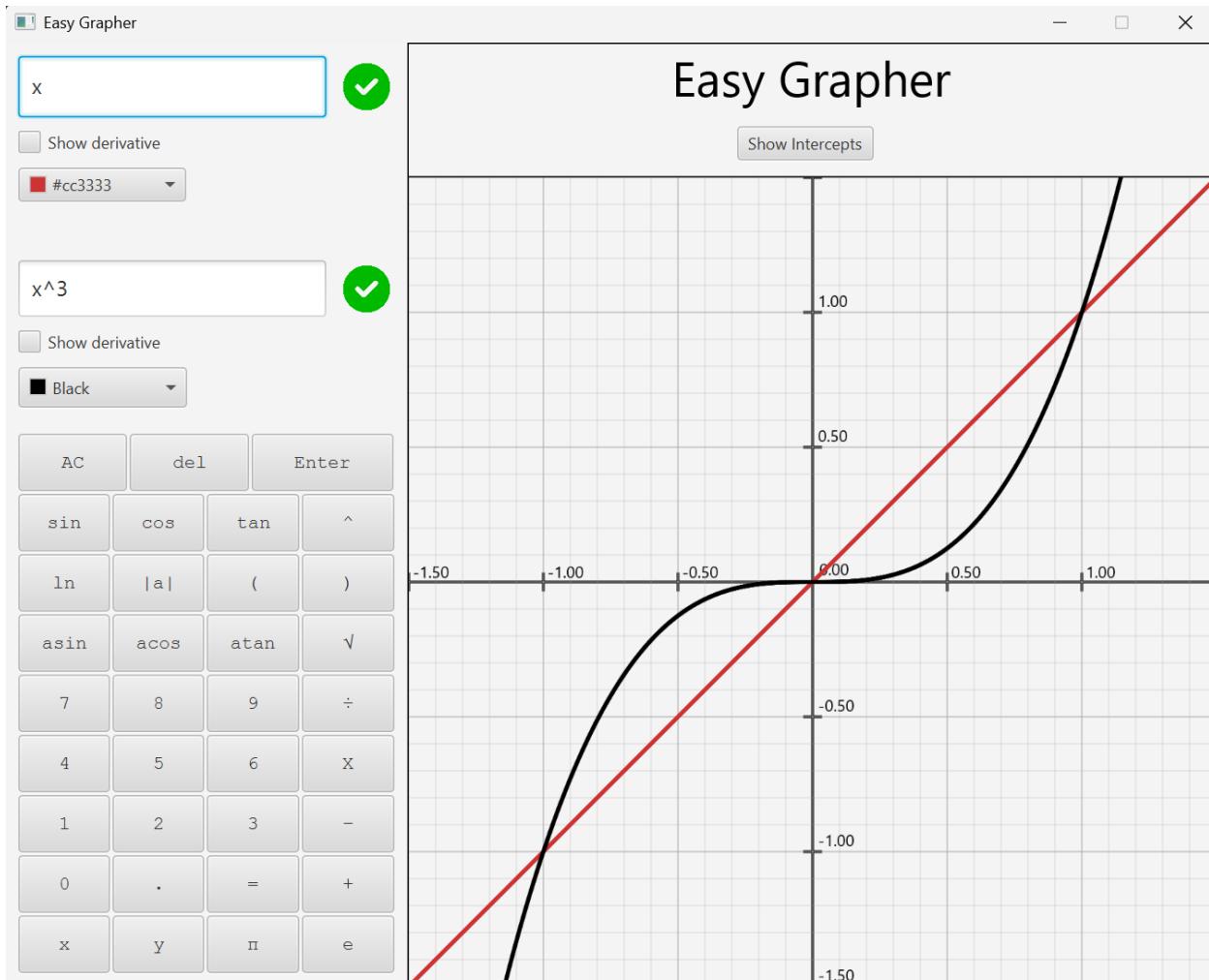
November 30, 2025

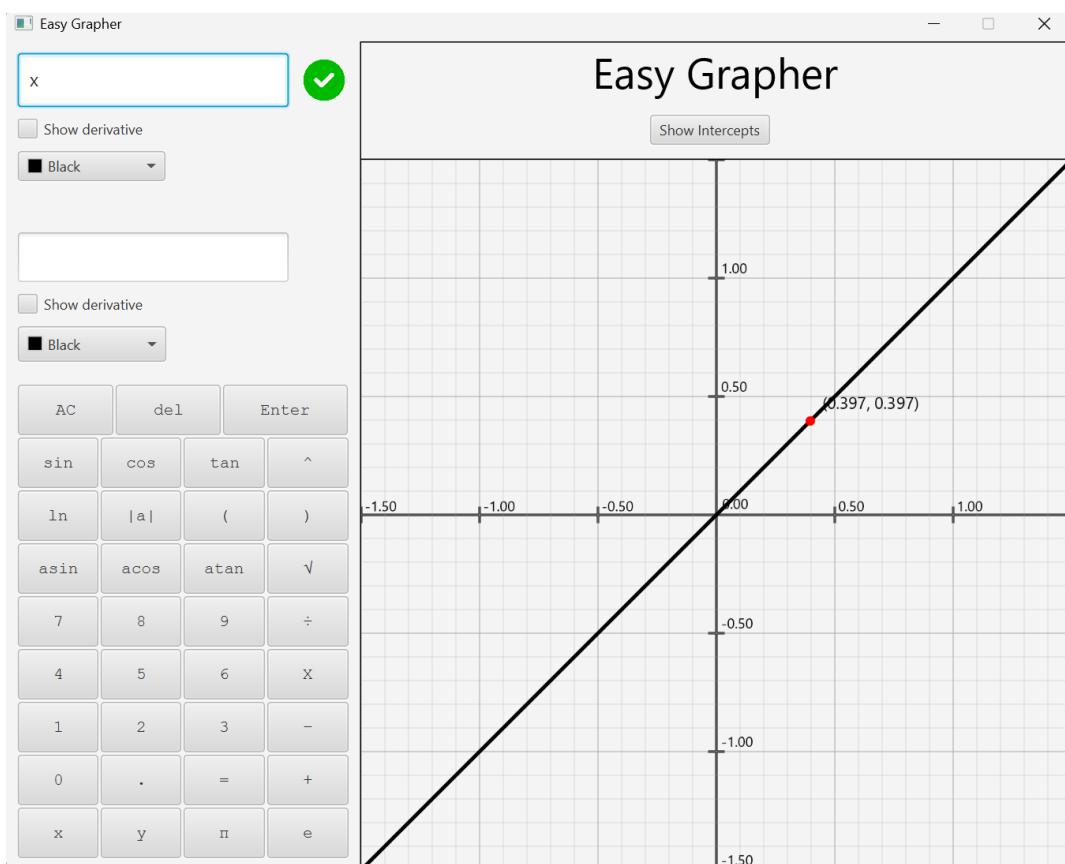
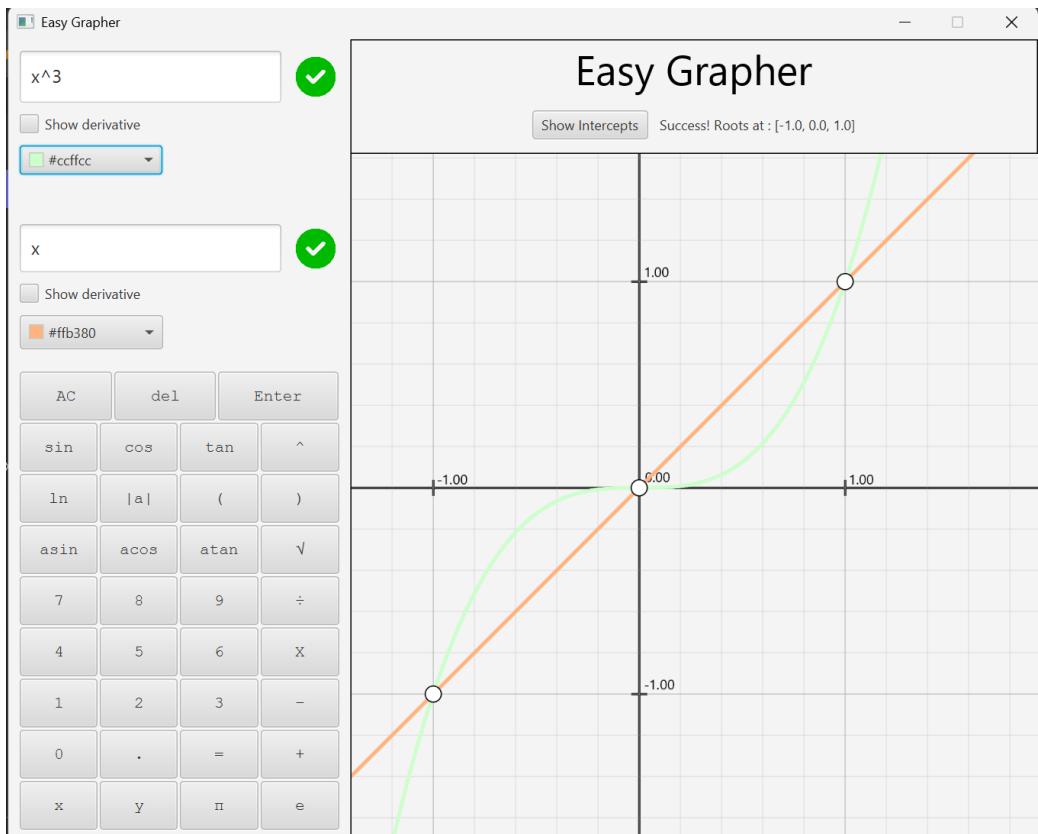
1. Changes made to proposal

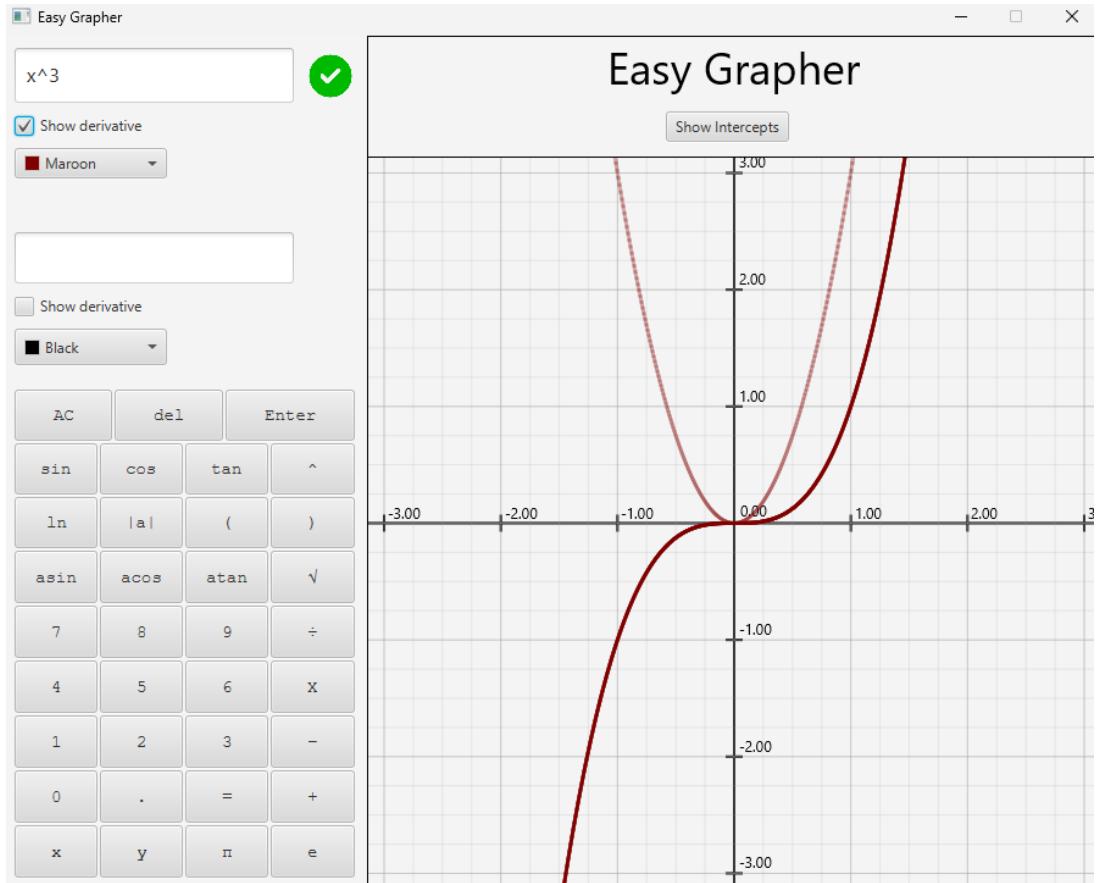
We did not make many changes to our proposal, but we added a new feature to our project which is showing a point on a curve when clicking on the corresponding curve. We also added some quality of life features such as debounce in the function inputs so that the user wouldn't need to hit enter but the performance would not be heavily affected (not reloaded after every key stroke).

2. Examples of project functionality

Here are some screenshots showing the implementation of the features of our project:







These showcase the following features (the features of our project):

- Graphing of functions,
- Color changing,
- Reading (and understanding) function inputs
- Finding and graphing the derivative
- Showing the intercepts/roots
- Showing a selected point of a function
- Using the on-screen keyboard
- Zooming and panning of the graph

3. Links

Trello link: <https://trello.com/b/tXBT0KVG/graph-calculator>

Github link: <https://github.com/nepallium/Easy-Grapher>