Software Engineering Intern

Task 01 Function Plotter

1. Requirements

- 1. Write a GUI program that plots arbitrary user-entered function.
- 2. Take a function of x from the user, e.g., $5*x^3 + 2*x$.
- 3. Take min and max values of x from the user.
- 4. The following operators must be supported: $+ / * ^.$
- 5. The GUI should be simple and beautiful (well organized).
- 6. Apply appropriate input validation to the user input.
- 7. Display messages to the user to explain any wrong input.
- 8. You may use programming language and platform of your choice.
- 9. You must test your program. Include the testing codes in your repository.
- 10. Your code should be well organized and well documented.

2. Deliverables

Deliver a link of your program on GitHub. In your repository, include a readme file and snapshots of working and wrong examples.