SWOT ANALYSIS

STRENGTHS, WEAKNESSES, OPPORTUNITIES,
THREATS FRAMEWORK FOR A BUSINESS

Strengths

- The program is small which provides fewer places to inject code or use other methods of hacking the system.
- The software only gathers user input from the buttons which makes it difficult for a hacker to inject code into the program.
- The program is stored on a secure cloud storage version control system, also known as GitHub.

Weaknesses

- The program lacks the functionality of using complicated operations which is not suitable for users who need a more versatile program.
- The program lacks the functionality of keyboard support, making for a bad user experience at times which can cause users to not want to use the program.

Opportunities

- The program is lightweight and does not use any storage, like databases, so it is faster and easier to use than heavier applications.
- The program is open source so other programmers and developers can learn from the implementation of the program.

Threats

- The values that are being utilized are stored in the global scope which makes it easier to view and change those values in malicious ways.
- The program does not have a history functionality (does not store data), which can lead to miscalculations and users going to seek a more sophisticated calculator.
- The software is stored and run from Github Pages if this system is down or gets shut down then the program can not be used until it is moved to another hosting site.