

Team Members: Jaki Erdene, Rex Park, Aaron Nieh

Overall Objectives

- We will create a password generator that will generate reliable and secure passwords.
- The password generator will also take into account user specifications and input, such as the inclusion of a certain word, certain number of characters, which characters to be used, etc.
- The goal is to make a password generator that is also capable of offering suggestions based on previous user specifications, of which users will be able to choose between the suggested password, or generating a completely new one which may or may not contain new specifications.
- The will app using GUI (Graphic User Interface), that will allow the user to access the password generator in its fullest functionality.

Individual Objectives

- Aaron
 - Get better at writing python code that is not redundant (example: use one for loop instead of two).
 - Get better at writing code with organization, and learn more efficient methods of writing syntax that will make my code more well structured and compact while maintaining reliable functionality.
 - Learn how to code a GUI as a complete beginner.
 - Learn how to customize a GUI (visually).
 - Learn how to integrate python code so that its functionality can be accessed through an app that will be used on a computer.
 - Increase proficiency in using and navigating GitHub.
- Rex
 - Improve at writing efficient python code that uses more advanced coding than just if statements.
 - Learn how to implement GUI into an app.
 - Work with Github efficiently by managing branches and review pull requests properly.
- Jaki
 - Learn how to effectively write python code through the implementation of advanced syntax as well as the use of various libraries
 - Learn what GUI is and how to code one especially as a beginner-level coder
 - Learn various functions within Python that relate to understanding how to read passwords and generating them

- Learn to become efficient with Github and its various mechanics such as pushing a document or creating different branches

Technologies and Tools

- Python code.
- Spyder IDE.
- Anaconda.
- Computer.

Constraints

- We need to follow deadlines given to ourselves and the professor, especially the deadline of the final project in early April.
- None of us are familiar with GUI, and need to understand how it works (we will need to know how to use one in order to make the app).
- None of us have ever developed an app, nor have we ever implemented any code we have written in the past in an application.

Project Timeline

Project Manager: Aaron

Tasks	Who's responsible	Start Date	End Date	Status
Code a password generator that will generate passwords to a specific inputted length	Everyone	2/20/25	2/24/25	Incomplete
Code the generator to take into account characters specified by the user.	Aaron	2/24/25	3/3/25	Incomplete
Code the generator to consider words specified by the user.	Jaki	2/24/25	3/3/25	Incomplete
Code the generator to take into account the previous specifications given, and	Rex	2/24/25	3/3/25	Incomplete

suggest new passwords.				
Incorporate GUI to make a functional, password generating app that is formatted nicely and in an organized fashion.	Everyone	3/4/25	3/24/25	Incomplete