Welcome to SecureMe Password Generator!

SecureMe Password Generator is a user-friendly tool built with python and django that helps you create strong, unique passwords quickly and easily. Eliminate the hassle of remembering complex passwords while safeguarding your online accounts. This web application is ideal for anyone who wants to improve their cybersecurity by using strong passwords.

Project Team:

- **We would like to acknowledge the contributions of the following individuals to the development of SecureMe Password Generator:** (Michael Shekwolo, Miracle Akuabata, Olugbenga Ogunsemowo)

Technology Stack:

- SecureMe Password Generator is built using:
    - **Backend:** Python (Specify the specific Python framework used, e.g., Django as mentioned earlier)
    - **Frontend:** (Specify the frontend framework used, e.g., HTML, CSS, JavaScript)
    - **Additional Libraries/Frameworks:** (SASS)

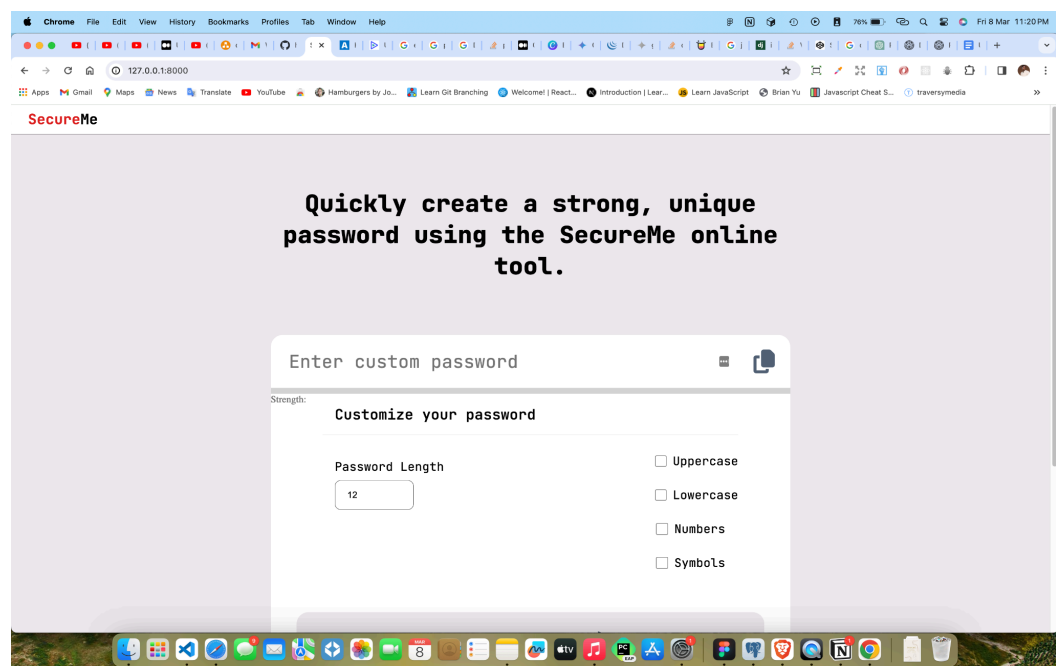## Features of SecureMe Password Generator

SecureMe Password Generator offers a convenient and efficient way to create strong, random passwords for all your online accounts. This section

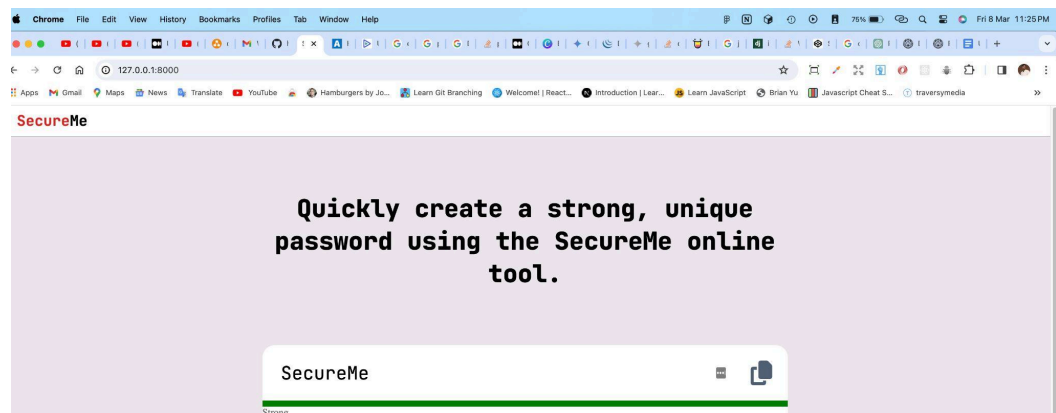explains the key features and how to use them to enhance your online security.

1. Generating a strong password

   Description: This feature allows you to create a secure, random password that protects your online accounts.
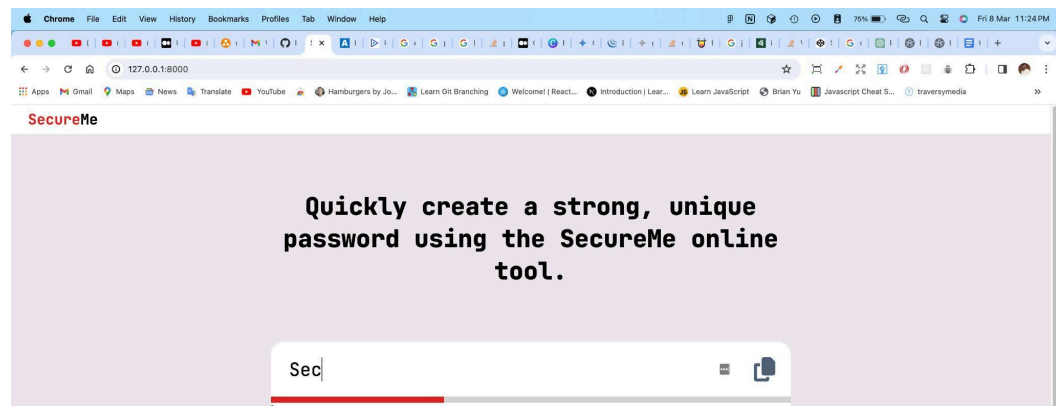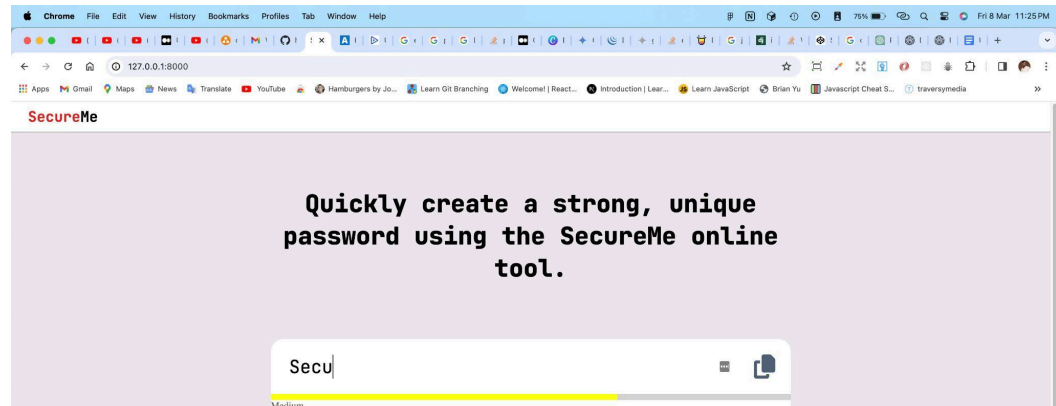
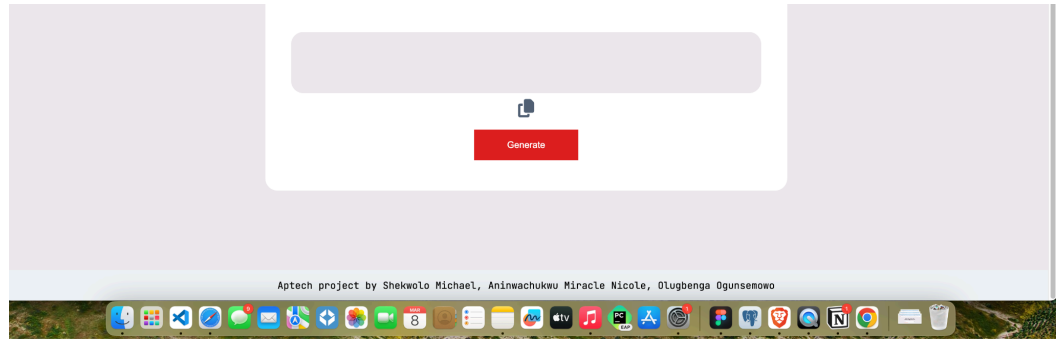   a. Open the SecureMe Password Generator in your web browser

   b. In the text input that says "Enter your custom password", enter your desired password
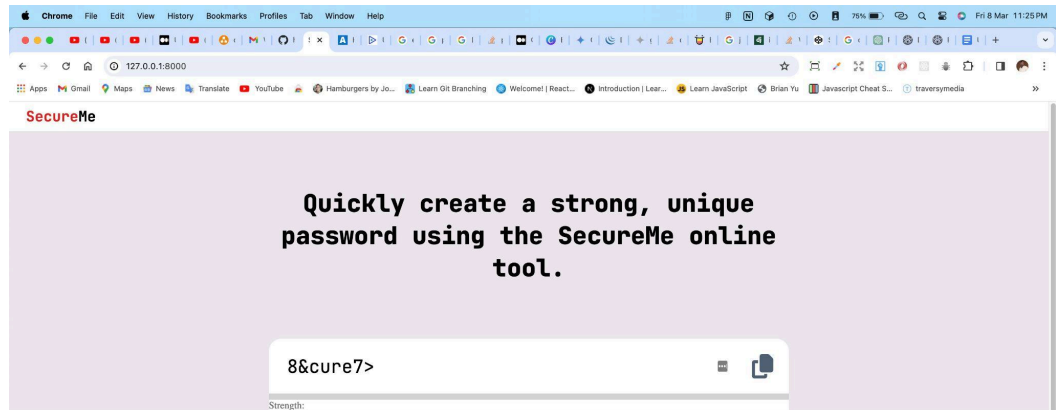

If you enter a custom password that's too short, the password strength indicator will show it as weak which means as you type your custom password, the password strength indicator will provide feedback. If the password length is less than recommended, the indicator will show it as a weak password.

Then you click on the generate button

Then it randomly generates a unique password for you that can easily be remembered based on the user input

c. Now if you don't want to create your own custom password and you want the SecureMe web tool to do that for you, then just below the customize password you can select the character types you want to include in your password. Options typically include:

 The length of the password (1 - 50)
Uppercase (A - Z)
Lowercase (a - z)
Symbols (!@#$%^&*()_+{}?)
Numbers (0 - 9)

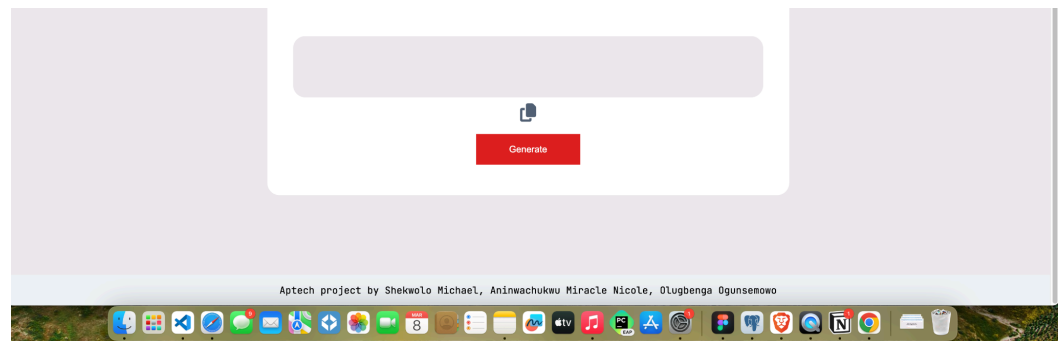## Customize your password

Password Length

```
12
```

☑ Uppercase

☑ Lowercase

☑ Numbers

☑ Symbols

After you've selected the options in which you want to include in your password, then click on the generate button and then it would generate a random password based on the length provided and the other options selected

This is the random password generated below:

PuXTS?4rT@s2

Strong

Below this password you can see the password strength indicator saying the random password generated is strong and you can also copy this password to clipboard so you can use it on your desired online account.

Summary:

SecureMe Password Generator: Your Key to Strong Passwords

SecureMe Password Generator is a user-friendly web application that empowers you to create strong, random passwords for all your online accounts. It eliminates the burden of remembering complex passwords while safeguarding your online security.

Key Features:

- **Generate Strong Passwords:** Create secure, random passwords of your desired length (1-50 characters) with the option to include uppercase letters, lowercase letters, numbers, and symbols.
- **Custom Password Option:** Enter your own password and receive real-time feedback on its strength. The indicator will warn you if it's too weak (short and lacking complexity).
- **Strength Indicator:** Get visual feedback on the generated password's strength, helping you choose a password that's difficult to crack.
- **Easy Copying:** Conveniently copy the generated password to your clipboard for pasting into your online accounts.

Benefits:

- **Improved Security:** Strong passwords are crucial for protecting your online accounts from unauthorized access.
- **Convenience:** SecureMe Password Generator simplifies the process of creating and managing strong passwords.
- **Flexibility:** You can either generate a random password or create a custom one with feedback on its strength.

Who should use it?

Anyone who wants to improve their online security by using strong, unique passwords for all their online accounts.