

Group Name: Future Engineers

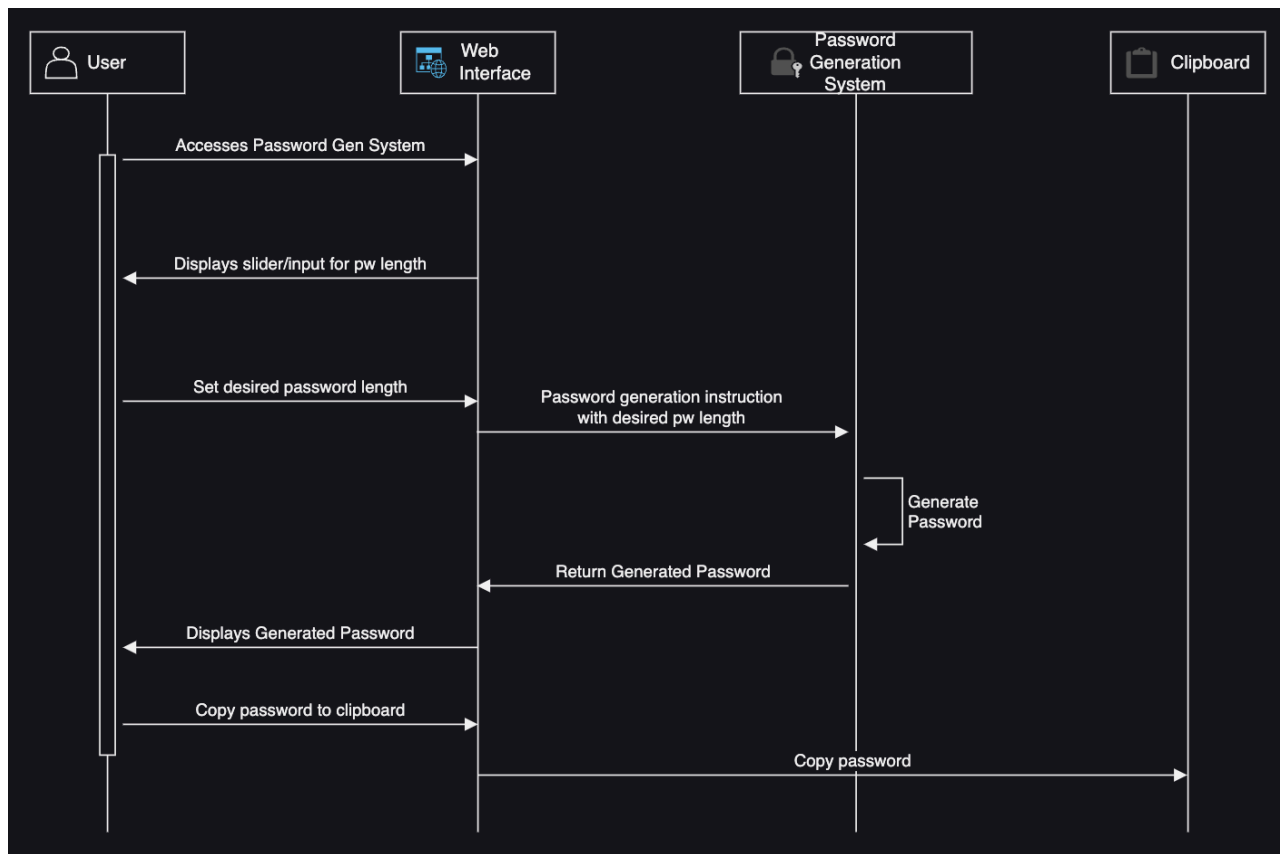
Team Members: Eesha Asad, Totti Nguyen, Ena Salazar, Alan Gonzalez

## Use Cases and Sequence Diagrams

- Write two of your most important use cases for the system that you're developing.
- Use cases identify the actors involved in an interaction and names the type of interaction. You then add additional information describing the interaction with the system.
- Take those use cases and create the corresponding sequence diagram for each of those use cases.
- As an intermediate step, think of the objects required for the use case and create a flowchart diagram (activity diagram) of the actions that the task requires.
- Put the files in your repository on github, upload copies of these files to the dropbox, and submit links to each file in your github repository.

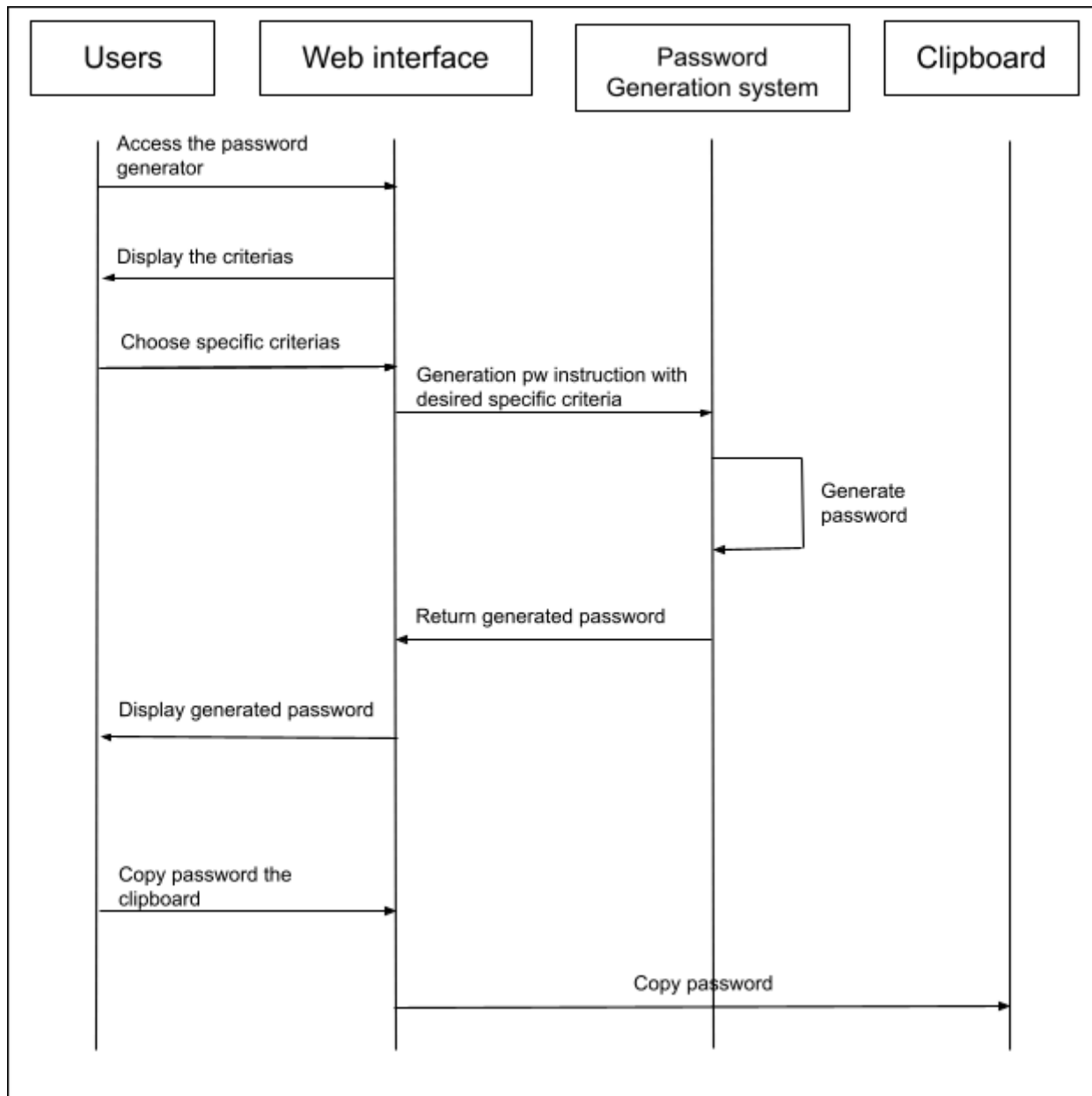
### Use Case 1: Customizable Password Length

Depending on the security requirements of users' systems, the length of the generated password can be specified using a slider or input field. To set the desired password length, the user accesses the password generator website/application and adjusts the slider or inputs a value. As a final step, the user generates a password of the desired length.



## **Use Case 2: Selectable Character types**

A user can customize the password generator interface by selecting which types of characters (lowercase, uppercase, numbers, symbols) to include in the generated password. The user selects the desired criteria and then generates a password based on the selected character types.



### Flow chart / activity diagram

The user interacts with the password generator through a sequence of actions leading to the creation of a custom password.

