**Password Generator**

**What does it need to do?**

GIVEN I need a new, secure password

WHEN I click the button to generate a password

THEN I am presented with a series of prompts for password criteria

WHEN prompted for password criteria

THEN I select which criteria to include in the password

WHEN prompted for the length of the password

THEN I choose a length of at least 8 characters and no more than 128 characters

WHEN prompted for character types to include in the password

THEN I choose lowercase, uppercase, numeric, and/or special characters

WHEN I answer each prompt

THEN my input should be validated and at least one character type should be selected

WHEN all prompts are answered

THEN a password is generated that matches the selected criteria

WHEN the password is generated

THEN the password is either displayed in an alert or written to the page

* Click button to generate password
* User input - Length of password 8 – 128 characters
* User input - Choice of lowercase / uppercase / numerics / special characters
* Password generated.

Prompt box (generate password button)

Onclick

Prompt box (indicate the length of password)

User input (8 – 120)

Prompt box (do you want to include lowercase

User input

Prompt box (do you want to include uppercase)

User input

Prompt box (do you want to include numbers) Maybe include in one

User input prompt box? (Tick Box)

Prompt box (do you want to include special characters)

User input

Generate random password

Display password in box