

CSC 4350

*Those IT Guys*

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## **Use Cases:**

### **Creating a Unique Password**

**Actors** - User (who wants a unique password)

**Description** - The user may generate a unique password with characteristics of their choosing. The characteristics are determined by the user's toggling of checkboxes and input for password length.

**Data** - Requirements for password (length, character types)

**Stimulus** - User commands the program to generate a new password.

**Response** - The user initiates the password generation process manually. The password generator algorithm processes the specified format. A unique password is generated according to the specified requirements. The generated password is displayed to the user or stored securely for future use.

**Comments** - The format of the password can vary depending on the security standards and requirements of the system or application.

### **Copying password onto Clipboard**

**Actors** - User (who wants to copy password onto clipboard)

**Description** - The user can copy a password to their clipboard. When the user copies the password, it is kept in a database so that duplicate passwords are not generated.

**Data** - The password/passwords the user wants to copy.

**Stimulus** - User clicks on the icon to copy the password.

**Response** - Password is logged in the database and will not be regenerated for another user.

**Comments** - When a password is copied into clipboard, this allows the application to know the password is taken. When the password is taken it can not be regenerated ensuring a unique password each time.

