PassWord Generator

A simple Java-based GUI application that allows users to generate secure passwords tailored to their requirements. The application provides flexibility to include uppercase letters, lowercase letters, numbers, and special symbols in the generated password.

Features

- **Customizable Password Length**: Set the desired length of the password.

- **Character Inclusion Options**: Toggle between uppercase, lowercase, numbers, and special symbols.

- **Real-time Display**: View the generated password instantly in the application.

- **User-friendly GUI**: Intuitive interface built using Java Swing.

Technology Stack

- **Language**: Java

- **GUI Framework**: Swing

- **Logic Implementation**: Random password generation using Java utilities

File Structure

- **`App.java`**: The entry point of the application.

- **`passwordgenerator.java`**: Implements the GUI for the password generator.

- **`passwordlogic.java`**: Contains the logic for generating passwords based on user preferences.

Getting Started

Prerequisites

- **Java Development Kit (JDK)**: Version 8 or higher.

- A Java IDE or a text editor with Java support.

Setup and Execution

1. Clone the repository or download the project files.

   ```bash
   git clone https://github.com/jayrathi5/Password-Generator-.git
   ```

    2. Open the project in your preferred IDE.

    3. Compile all the .java files:

bash

Copy code

javac App.java passwordgenerator.java passwordlogic.java

    4. Run the application:

bash

Copy code

java App

Usage

    1. Launch the application.

    2. Set the desired password length.

    3. Enable/disable character types (uppercase, lowercase, numbers, symbols) using toggle buttons.

    4. Click on the "Generate" button to create a password.

    5. View the generated password in the output area.

Example

- **Input**: Length = 12, Include Uppercase, Numbers, and Symbols.

- **Output**: aB3@kT7!Lp9$

Screenshots

Password Generator

Password length:

| Uppercase | Lowercase | Numbers | Symbols |

Generate

≡ Release Notes: 1.96.2   J App.java ✕

Password Generator > J App.java > ...

```
1    public class App {
         Run | Debug
2        public static void main (String args[])
3
4
5
6
7
8
9
```

Password Generator

Password Generator

Password length: 10

Uppercase   Lowercase   Numbers   Symbols

Generate

PROBLEMS
PS C:\U
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tempCod
public

1 error
PS C:\U
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if ($?) { javac tempCodeRunnerFile.java } ;

sword Generator\" ; if ($?) { javac App.java

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Password Generator

Password Generator

icm+pr#&%o

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Uppercase   Lowercase   Numbers   Symbols

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