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My final project is a Text Editor, which allows user to create new files and edit existing text files. The program allows you to create new files with your desired name with .txt extension. The program also shows the existing files created by the user. In order to create the complexity of the program, I also tried to implement a Login/Register feature into the application. If the user is new to the program, the user has to create a new profile using the Register feature, where he has to Choose his username and password. All the passwords are encrypted and stored in the password.txt files with their username in front of them. If the user is not new to the program and already has an account, then he can login by adding his credentials into the program and he will be logged in. The program also takes in consideration, some of the test cases for example - If the user does not exist, If the password is wrong, If the user is already registered etc. Once the user has logged in, he/she has access to all his existing files. Since there is no implementation of session and it is just a static program, the user has to login again in order to see the newly created files. The user can open the existing files and edit them and save it again.

The program uses the Swing and AWT Class. Each new user is generated in the program once he has registered. In the root directory of the program, a new folder is made for each and every new user. In this folder, all his text files are stored. In the root folder there is also a passwords.txt file which contains the encrypted passwords of the user. The password is extracted from this file and while logging in and decrypted to login.

How to run?

The program is best suited for an IDE like Eclipse. If you are using eclipse, just import the entire project folder and run the Login.java file or just run the application as java application. If using terminal, go into the src folder and run the Login.java file

only. A user with name "arjun" and password "arjun" is already created just to give you a hint.

PS: I am not in any group. I am doing this project independently.