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I started with the Main class with the main method, here I created instances of the first two classes we will be dealing with. IDandPasswords and then LoginPage with a call to the getLoginInfo from the IDandPasswords class in its parameter.

First we created a hashmap in the IDandPasswords class. This stores our password and UserID to be used in the LoginPage.

Second we went to the Login Page and created a few fields of different types such as JLabel, JPasswordField or JTextField. The password stars out our passwords as we write them.

I used a hashmap for the input of the UserId and the password as the key can be the useID and the password can be the value.

We brought in the JFrame and the JPanel. The JFrame for the overall functionality of the GUI and the JPanel for style.

Next we added a constructor to take in the hashmap as input. We put in our values to style the GUI here, setting the values in properties we set above.

We added buttons underneath, the login button and the reset button.

Next we have the actionperformed method with the ActionEvent. This is where we gave our buttons the functionality.

If the UserID and the password are correct we used the frame.dispose(); to get rid of the first GUI and go into the next though the AppFrame appFrame = new AppFrame();.

When we go into the AppFrame we see new Properties. These have their own classes for cleaner code. The button panel styles the Add task and clear task buttons on the bottom of the GUI.

The List creates a grid where we can add our tasks to, update the numbers and remove tasks.

The title bar merely styles the title of the GUI.

Task creates a class where we can add data to our tasks which are on the grid. It gives style to these entries too and allows us to click the done button which changes to green if done is selected.

Below this the AppFrame is styled and then some actionlisteners are added to add functionality to the buttons addTask, Clear and Done.

Warmest,

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