**ICP8 Report**

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[https://github.com/navyakusam/Web-and-Mobile-Programming-Spring-2022/](https://github.com/navyakusam/Web-and-Mobile-Programming-Spring-2022/tree/Web_ICP1_Branch_creation/ICP2_Web)

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[https://github.com/DP2196/WebMobile-Spring2022/](https://github.com/DP2196/WebMobile-Spring2022/tree/master/2022Spring-Web/Web_ICP2)

Tasks performed in the ICP:

1. In this ICP, we have created a basic login page with heading using <TextView/>, username and password using <EditText /> to take inputs from the user and created a login button using <Button/>, used android:id to create different resources for Username (@+id/username), Password (@+id/password) & Login (@+id/button) and for password in order to hide it, we have used android:inputType=”textPassword”. We have also used android:layout\_below to align the username, password and login in respective order.

OutputScreen:

Graphical user interface, text

Description automatically generated

Code Output:

Text

Description automatically generated

Text

Description automatically generated

1. In the step2, we have created the button action by using setOnClickListener() Function, in which we have validated the username and password strings to be matched to the given ones.to make it more user friendly we have added case insensitivity to the Username.
   1. If both username and password matches to the strings that were hard coded, then it will proceed to the next page with a popup message. In order to perform this we have added Intent class and startActivity(), popup message of successful login is created using Toast.makeText();.
2. In step3, it is the new page when clicked on login page, if the login credentials are valid, this new page displays a message related to successful login using <TextView/> and a button <Button/>which is used for logout and android:id=”@+id/button)”.

Code Images:

MainActivity.java

Text

Description automatically generated

Text

Description automatically generated

activity\_main2.xml

Text

Description automatically generated

Text, chat or text message

Description automatically generated

Output Screen Images:

1st Screen:

A screenshot of a cell phone

Description automatically generated

2nd screen:

Graphical user interface, application, Teams

Description automatically generated

1. In the step4, once clicked on logout button, we have designed the action in such a way that it returns to the Welcome/sign in/login Screen. In order to perform this we have added Intent class and startActivity() and when returned to the login screen it will be as a new screen, it will not retain any previous information.

Code Images:

MainActivity2.java

Text

Description automatically generated

Output Screen:

Graphical user interface, application, Teams

Description automatically generated