ICP - 8 Login application for android

Team details:

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Github link: https://github.com/sarath98-lab/spring-2022/tree/main/Mobile/ICP8

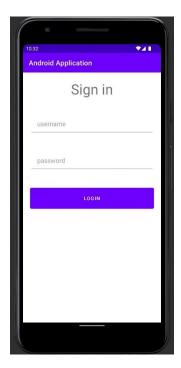
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Github link: https://github.com/SaiKicks/WebMobile-Spring2022/tree/main/mobile/ICP8

Description:

Current ICP helps in understand developing an Android application using android studio.

Login screen



After configuring mobile application with a blank page, we have designed the default page as sign in page which has username, password fields to enter input and Login button to login.

Validation on Sign in page

The code snippet shows validations on sign in page

When fields are black and clicked on login in button, error message is shown as 'Please enter username, password and click login'



When username is not registered or invalid username is entered, error message is shown as
'Username doesn't exist'



 When username is correct but password is incorrect, error message is shown as 'Password is not correct'



• When username and password are correct, message is shown as 'Login is success!' and screen is redirected to new page which has Welcome, you are logged in!



Logged in screen

The logged in screen has welcome information and a log out button.

When clicked on log out button it is redirected to default page i.e., log in page.

Code structure:

Manifest file:

Manifest file has XML extension, which has important metadata information about the application.

Java folder:

It has all the functionality related to application such as how to handle on click and redirect to other page (intent).

Res > layout folder:

It has all the design screen and XML code related to it. Using tags in this file we can design the page.

Learnings from the lesson:

Develop and debug android application with Android studio.

Contribution:

Equal contribution