



Faculty of Science

Course:	CSCI 4100U: Mobile Devices
Lab Assignment:	#3
Topic:	Intents

Basic Outline

- Create a new Android project
- Create a new layout (about.xml) and corresponding activity (AboutActivity)
- Create a new layout (login.xml) and corresponding activity (LoginActivity)
- Edit the default layout (main.xml) and activity (MainActivity)
 - Include a way to get to the other two activities
- Retrieve results from one of these activities (LoginActivity)

Create a New Android Project

Using Android Studio, create a new Android project. Follow the steps of the wizard. You can use the default icons for this application, and you can use Android Studio's wizard to create your activity (MainActivity). Your layout (main.xml) should contain two buttons (About and Login), as well as a greeting message label. Create the event handlers for these two buttons in your activity. The code will be added at a later step. Be sure to get all strings (including the button text) for this entire application from the strings.xml file.

Create an About Activity

Create a new activity (AboutActivity) and a corresponding layout (about.xml). The layout should include a text message, describing your application (e.g. This application is my solution for lab #3 for CSCI 4100u. Copyright Randy J. Fortier), and include a button (Finish). When clicked, the "Finish" button should simply close the activity.

Write the code into the event handler for the "About" button in the MainActivity to start this activity as a peer.

Create a Login Activity

Create a new activity (LoginActivity) and a corresponding layout (login.xml). The layout should include two text fields and labels (Username and Password), and include a button (Login). When clicked, the "Login" button should verify your username and password and close the activity with a result. For the purposes of this simple app, have your LoginActivity accept only your TRU username for the username, and only your Student ID as your password.

Write the code into the event handler for the "Login" button in the MainActivity to start this activity as a sub-activity, and collect the response. Once the response has been received, generate a Toast message to say an appropriate response (e.g. for success: Login success, for failure: Login incorrect). This Toast must be generated inside MainActivity.