

CIS 3515 Lab

Worksheet 2

Instructions:

Create an Android application containing an activity that collects a user's **name**, **email**, a **password**, and a **password confirmation** and a **Save** button.

1. If its not already running, launch Android Studio.
2. If presented with the Quick Start dialog, select **Start a new Android Studio Project**.
3. If presented with the development interface, start a new project: **File -> New -> New Project...**
4. For *Application name* enter **SignUpForm** - for *Company Domain* enter **temple.edu**.
5. For Project location, enter a location where you have write permission, and where your project files will be safe from future deletion, such as your user directory. Click on **Next**
6. Ensure that only the *Phone and Tablet* checkbox is checked, and select **API 23** or another recent version as the minimum SDK. Click on **Next**.
7. On the *Add an activity to Mobile* screen, select Empty **Activity**. Click on **Next**.
8. On the *Choose options for your new file* screen, Set Activity Name to **FormActivity**, and leave everything else as the default. Click on **Finish**
9. Use appropriate layouts and views to create a regular *sign up form* (similar to what you might see in an app or website when you create an account) that will collect the information detailed in the instructions.
 1. Use an appropriate text field for each element (e.g. to accept an email address, simply use an EditText view with the **inputType** property set to *textEmailAddress*. All the options can be viewed in the properties drop down in the layout design view.
 2. For each input field, there should be a text view its left serving as a label telling the user what information to enter (You can try using a TableLayout or a series of nested LinearLayouts to accomplish this)
10. When the user enters the information and clicks the save button, your application should do the following:
 1. Make sure that every field has data entered
 1. If any field is empty display a **Toast** to tell the user they must enter all information
 2. Compare the **password** and **password confirmation** to make sure they match
 1. If they don't match, display a Toast telling the user their error
 3. If all fields are complete, and the passwords match, display a Toast telling the user that their information has been saved.
11. **Show your work the TA at the end of the lab to receive your grade**