

**Due:** Jan 28 at 23:59

**Points:** 100

**Objectives**

Learn how to use Android Studio to create an Android app

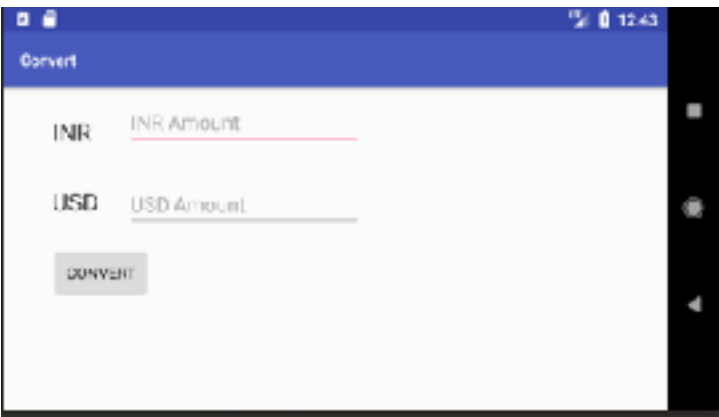

Use basic GUI widgets

Handle Screen rotation

**Convert**

Create an app that converts USD to INR and INR to USD. Use the rate 1 INR = 0.016 USD and 1 USD = 63.89 INR. The user can enter either INR or USD. When they press the Convert button the amount get converted into the other currency.

Create two layouts for the activity, one landscape and one portrait. The layout for each view is shown below. Note that the order of the text views and button are different in the two different views. Match those view. When the user rotates the device the amounts remain in the fields.

Landscape View	Portrait View
	

When you create your project set the minimum required SDK to API 19 (Android 4.4 KitKat) and target Pixel.

### Grading

The assignment will be graded as follows:

Points	Item
25	Two layouts, Each used in proper orientation with correct order of text view & button
25	Convert button works in both layouts
15	Correct values displayed when rotate device
10	User can only enter decimal values in fields
15	Non numeric text displayed on screen defined in string resource
10	Coding style
5	When convert amounts resulting values only display two decimal values (optional)

### Remedial Points

**Bad Formatting** -1 point per name

**Name Structure** -1 point per name

**Abbreviations** - -1 per abbreviation

### What to turn in

Create a zip file of your entire android project. Please no rar files. Turn in your assignment at: <http://bismarck.sdsu.edu/CoursePortal>. There is a link to that site in the assignment section of the course Blackboard site. You will need to create a password for the assignment site the first time you use it. Once you have logged on to the site select the assignments tab.