Android Development Fundamentals
Android 210 Winter 2015
Homework 3

Description

Create an Android application that allows user to set text size with a Settings screen.

Use Cases

1. The User launches the application, there is one TextView displaying a paragraph of text on the Main screen.
2. User clicks on Settings icon on the ActionBar to go to the Settings screen.
3. The User selects the text size on the Settings screen and go back to the Main screen.
4. The paragraph on the Main screen changes its text size according to the user preference.

Requirements

Create a **Ice Cream Sandwich-compatible** Android application that has two screens.

<u>Main screen</u> displays one TextView, and Settings menu item on the ActionBar
- **TextView** with some text:
  Lorem ipsum dolor sit amet, consectetur adipiscing elit. Morbi sit amet tellus sit amet ipsum hendrerit adipiscing. Quisque eget augue non nulla convallis suscipit eu et dui. Suspendisse urna nibh, viverra nec suscipit nec, iaculis vitae metus. Nulla pulvinar aliquet eleifend. Aenean tincidunt, ante ac tincidunt eleifend, elit urna adipiscing nibh, a aliquet nisi ante eget libero.
- Click on **Settings** on ActionBar will take user to a Settings screen. The Settings actionBar menu item should have a settings icon, properly sized for the hdpi, mdpi, xhdpi and xxhdpi folders. The Settings menu item should show with text on the ActionBar if there is room.

<u>Settings Screen</u>
- Use a EditTextPreference or ListPreference to allow user to set the text size.
- If you choose to use a EditTextPreference, the input should be limited to only numbers.
- If you choose to use a ListPreference, showing three or four choices in the list is sufficient - i.e. 18 sp, 20sp, and 22sp.

Name the application "Homework 3" and verify this is reflected on the Application title on the first screen when running.

Points

There are a maximum of **10** points for this homework.

Requirement Points (8 points)

- 0 points You didn't try.
- 5 points The application doesn't work – but you tried.
- 8 points The application works and fulfills all the requirements.

Discretion Points (2 points)

- 1 point Clean, consistent code (You may have applied a style formatter)
- 1 point Useful documentation (From a few key inline notes all the way to JavaDoc quality documentation)

Delivery

Zip up the project directory into a zip file **{YOUR UW Net Id}-hw3.zip**. (For example, margam-hw3.zip.) Upload the homework zip file to catalyst homework dropbox.

Delivery Points Modifier

- 100% Homework is delivered before Monday, Feb 23, 2015 @ 5:59pm
- 0% Homework is delivered after Monday, Feb 23, 2015 @ 5:59pm
- No late homework is accepted!