"Simple Home Automation Android Source Code"

Created: 03/06/2019
By: Dennis Mwebia
Email: dennis@pandandege.com

Thank you for purchasing my home automation android app source code. If you have any questions that are beyond the scope of this help file, please feel free to email via my user page contact form here. Thanks so much!

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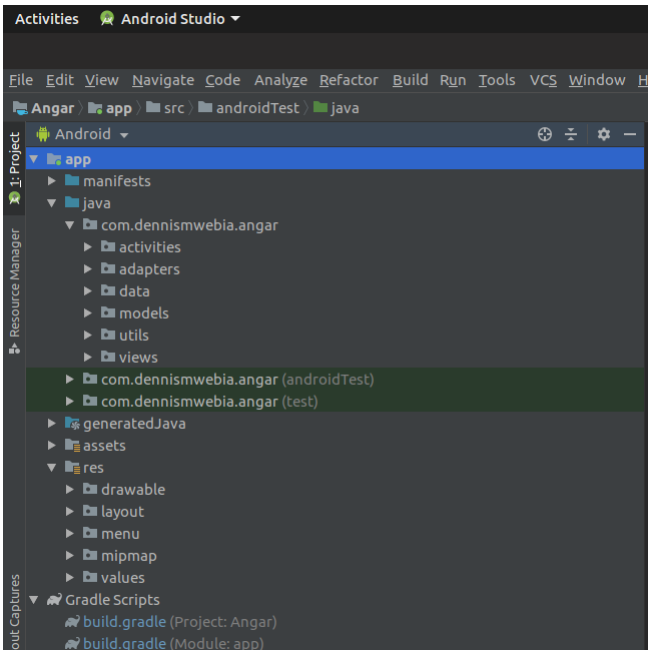
A) App Structure - top

The application is structured in such a way that all distinct components are in their own package (a group of related objects). This kind of technique helps someone to quickly peruse the code and identify components that need to be refactored or customised.

For example, the attached image shows how I have structured the application into 6 packages i.e

- activites
- adapters
- data
- models
- utils
- views



If you would like to access an object in any of the packages, just click on the spin button on the package name.

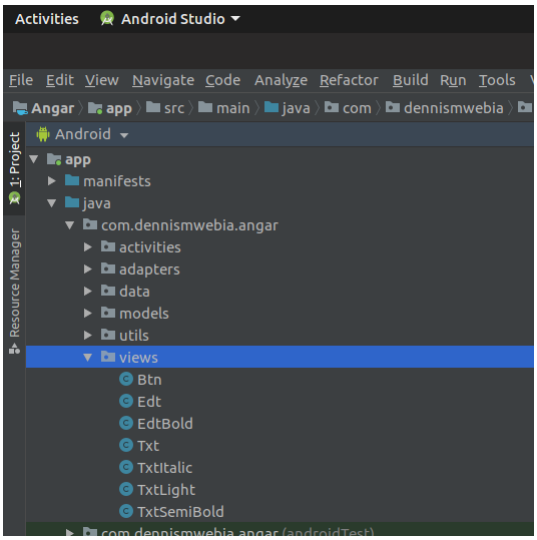
B) Custom Font - top

I'm using the Roboto font, downloaded from Google Fonts. If you would like to use a different font, you download it from the same source.

To add your own font, just paste the downloaded fonts to the "fonts" folder located under the "assets" folder.

C) Custom Views - top

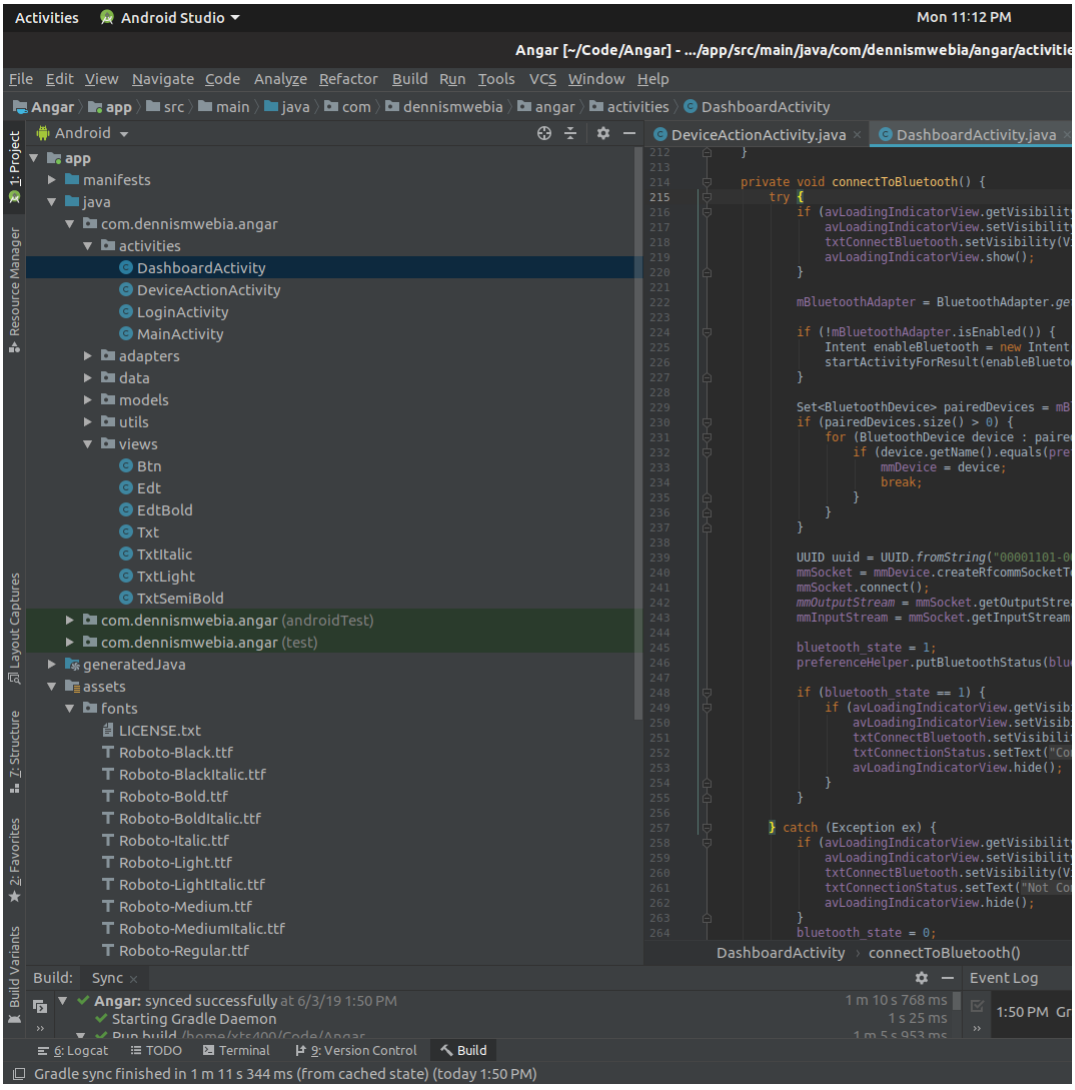
The application uses custom views that implement the custom fonts i.e buttons, textviews and edittext. See the image below:



To change the font used on either view, just double click on the view of choice and change the part that specifies the font.

D) Bluetooth Connection to Adruino - top

This home automation android app is based on Ardruino and it uses Bluetooth technology for connectivity. Below is the image of the function I wrote to connect to Ardruino via Bluetooth. You can find it in the "DashboardActivity" class:



E) How to open the project source code - top

To view,edit or run this source code (Assuming that you have already downloaed it), please follow the instructions below:

- Download and install Android Studio v 3.4.1 from here
- Start Android Studio and close any open Android Studio projects.
- From the Android Studio menu click File > Open
- From the dialog box that appears, select the downloaded project the click OK.

Once again, thank you so much for purchasing this home automation android app source code. As I said at the beginning, I'd be glad to help you if you have any questions relating to this project. No guarantees, but I'll do my best to assist.

Dennis Mwebia

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