MEET_2016-17_AP_Android

Android App Development Advanced project guide for MEET 2016-2017

We will be following the Udacity course at https://www.udacity.com/course/new-android-fundamentals--ud851. Go ahead and create an account on Udacity and check out the material.

Clone Repo

Nerd Ranch Guide. Install epub reader.

Installing Android SDK

Begin by downloading Android Studio from https://developer.android.com/studio/index.html. and then follow the installation instructions in https://developer.android.com/studio/install.html to install the SDK.

Note: You will need to install some packages first. On Ubuntu, run `sudo apt-get install libc6:i386 libncurses5:i386 libstdc++6:i386 lib32z1 libbz2-1.0:i386` in the terminal.

Getting Started

The first few lectures (under first lesson `Create Project Sunshine`) in the course are just basic overview and an introduction to Git. Feel free to skip ahead to *Creating our First project*. You should go through the material up to lecture 9 *Running your Code*.

`Objective: By the end of this section, you should have a simple app running on your emulator`

Views and Layouts

Exercise Update layout : Either through Design or Text Start watching the following lectures

- *Lecture 12* – Activities, Packages, and Layouts
- *Lecture 14* – Android Layouts Primer
- *Lecture 19* – Visual Layout Editor

Now you should be able to complete the five Exercises in this section. The final two (`Update Sunshine layout` and `Add Scrolling Weather`) are the more important ones. Make sure to test your apps on the emulator.

Exercise Scrolling Weather : Use dummy list of data. Get reference to the *TextView* in *onCreate*. Loop through data, and add each entry to text view with

blank lines in between. After the final exercise, you should be able to scroll through a list of your dummy data.

Objective: By the end of this section, you should be able to manipulate the basic View eleme

Listeners and Toasts

Our first app

Dynamic Views (Model-View-Controller

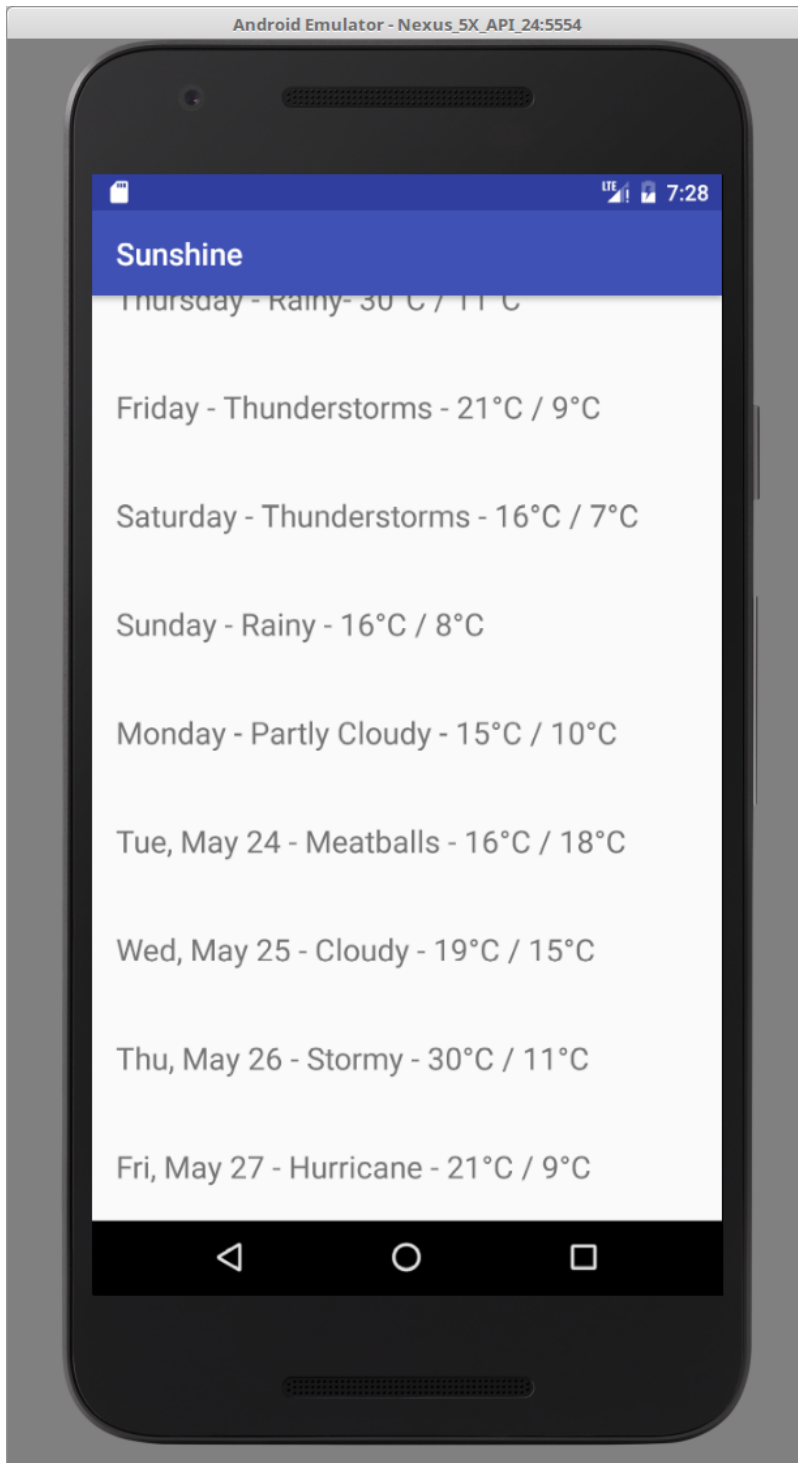Nerd Ranch Guide Chapter 3 up to *Updating the Controller View*

Logging and Debugging

Figure 1: alt