

ECEN 489: Data Management and Cloud Services

Task 3 – Android and the ADT Bundle

1 Android

Android is an operating system designed primarily for touchscreen mobile devices. This project is driven by Google, and the source code is released under the Apache License. This platform has a large community of developers creating applications that extend the functionality of devices, and these applications are written primarily in Java. The Android Development Tools (ADT) plugin for Eclipse provides a professional-grade development environment to build applications for Android devices. It leverages the strengths of Eclipse, and adds the necessary software to rapidly build new applications.

Action Items

- **Read:** Developer Tools.
<http://developer.android.com/tools/index.html>
- **Download and Install:** The ADT Bundle.
<http://developer.android.com/sdk/index.html>
Note: If you are familiar with IntelliJ IDEA, you may wish to consider Android Studio, a new development environment based on this IDE.
- **Read:** Workflow Introduction.
<http://developer.android.com/tools/workflow/index.html>
- **Download:** Samples.
<http://developer.android.com/tools/samples/index.html>

2 Getting Started

Having completed the preparation of your programming platform, you are now ready to create your first applications.

Action Items

- **Read:** Building Your First App.
<http://developer.android.com/training/basics/firstapp/index.html>
- **Tutorial:** Complete the four stages of the *Build Your First App* tutorial – Create and Android project, Running your application, Building a simple user interface, and starting another activity.

- **Commit:** On our GitHub master repository, under your <NetID> directory, commit your code using project name **Android1**.