Course Title: Android Application Development II

Course Description: Develop mobile apps for Android devices.

Course Prerequisite(s): Java Programming I and II and Android Application Development I

Course Objectives: Develop Android Apps using an agile approach. Satisfy requirements by taking advantage of advanced Android features.

Textbook(s): Warescription purchase ($45) http://commonsware.com/Android/

Next Class Possibilities: Android Application Development III

Instructor Notes: I recommend using an agile approach, iterating between requirements, design, analysis, and implementation and getting prototypes in front of the customer as quickly as possible to further refine the requirements. Requirements are the bedrock of the development effort and provide focus and motivation for the entire process. We start each class by listing some requirements.

Lesson Plan – by session
Session 1: Stomp out that jank...Concurrency
Session 2: Accessing resources on the web...REST, JSON
Session 3: Sharing across devices...Content Providers, Sync Adapters
Session 4: What’s going on...Notifications
Session 5: Standing on the shoulders of giants...Libraries
Session 6: I look so goooood...Styles, Themes, Material Design