Android App Programming

Lecture 8: Building Web APIs
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Last lecture recap
UX Design

Figure 1: The Ribbon Interface
Fragments

- Tablet: Selecting an item updates Fragment B. Activity A contains Fragment A and Fragment B.
- Handset: Selecting an item starts Activity B. Activity A contains Fragment A. Activity B contains Fragment B.
Building Web APIs
RESTful APIs

• REST = REpresentational State Transfer

• client-server

• stateless connection

• uses HTTP methods (GET, PUT, DELETE) to retrieve, store, delete data
Node.js

• JavaScript runtime for web servers

• reactive (i.e., asynchronous) programming

• can scale to massively parallel programs

• used for web sites as well as for web services
Lab 7

• Topic: Node.js

• build a basic RESTful web API in Node.js
Advance Reading

• Next week’s topic: Kotlin

• https://dzone.com/articles/an-introduction-to-kotlin-for-android-development
Questions