

UDel CISC 861

Fall 2011

Android Programming Assignment (3)

Due: 12/7 (Wednesday) by 11:59pm

1 UD Tour Guide

In this assignment, you will combine Assignment 1 and Assignment 2 to make it an UD tour guide application and add features like categories, campus event information, text-to-speech.

2 Specific Tasks

In the assignment, you will complete the following three tasks.

- Use the building file and parse it as in Assignment 1. In addition to the older fields, extract the ‘type’ (eg. Dining) information. Display a menu of building types such that choosing a type displays a list of buildings of that type, sorted by distance from your current location. Choosing a building from this list should compute the shortest route as in Assignment 2.
- Go to Today’s Events at UD Calendar. Display these events on the phone by fetching and parsing the data from this link. The event name, details, and the time should be provided when clicked on an event.
- Provide an option for audio directions. After a user have reached a certain hop, audio directions for a next hop should be spoken out. Use the text-to-speech library in Android for this task.

3 Programming Resources

- Using Text-to-Speech in Android
- Sample compass application example
- Pull data from the website

4 Submission

TBA