Location-Aware App*

Overview

In lab-3, you familiarized yourself with the Location Sensor Component. This project will use the Location Sensor Component to achieve more interesting objectives.

Start by reading the following Tutorial on "where is my car App". http://www.appinventorbeta.com/learn/tutorials/whereismycar/whereismycar.html

Now download the code available here and modify it to implement one of the following projects.

Project Ideas:

Here are some sample ideas, but you can build anything you want that satisfies the above requirements. Be creative!

Campus guide: develop an app that helps students/visitors find buildings, services, etc. on the UCSD campus.

Spatial reminder: record notes/images associated with a location that can be retrieved (and perhaps spoken) when you return to that place.

Invisible fence: Sound an alarm when the phone goes outside a particular region

Location-based art: Draw pictures by moving your body with the earth as your canvas.

Components:

You are encouraged to experiment with and use various features/components that we haven't emphasized yet in class. For example:

- *OrientationSensor*: acts like a compass, tilt sensor.
- *AccelerometerSensor*: detects acceleration, shaking of phone.

- *BarcodeScanner*: read the value from a barcode.
- *TextToSpeech*: synthesize speech from text. See example tutorial "No text while driving": http://www.appinventorbeta.com/learn/tutorials/notext/notext.html
- *SpeechRecognizer*: convert speech to text.

*(inspired by Wellesley university course website)