CS 525M Mobile and Ubiquitous Computing
Building your Prototypes

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Programming your Prototype

- 4 different levels of programming
- Best choice depends on:
  - How much access you need to device, sensors
  - Your programming background
Funf in a Box  (funf.org)

- Fill form, specify sensors to log, intervals
  - App Generated
- **Good for:** just logging,
- **Con:** no UI
AppInventor
(http://appinventor.mit.edu/)

- MIT project, previously Google
- Use lego blocks to build app, easy to learn
- **Pro:** Quick UI development
- **Con:** sensor access, use third party modules restricted
PhoneGap

- Develop Apps using HTML, javascript
- **Pro**: Access to most native APIs, sensors, UI
- **Con**: Need to know HTML, javascript
Android SDK

- Java-based, full access (phone, UI, sensors)
- **Pro**: Minimal restrictions, emulator available
- **Con**: Must know java well