Motivation
- Retrieval is key to promoting meaningful, long-term learning [1]
- An effective learning activity that incorporates active retrieval is self-quizzing
- Yet learners are not fond of practicing quiz questions

Project Goal
Develop QuizPower app to:
- Guide students to practice with test questions
- Have app exemplar of a creative project with educational relevance in COMP 415 course [2]

Objectives
- Create an interactive quiz mobile app to help students study mobile computing concepts and terms
- Develop QuizPower in App Inventor
- Organize questions by topics in a web data store

Approach/Methods
- Ten-week agile development process (Spring 2013)
- Two developers: tech consultant in Computing Technology (CIS senior) and course instructor
- Over 80 questions organized by 16 categories (source: COMP 415 worksheets)
- Feedback from 15 students in COMP 415
- MySQL web data store
- Integration of App Inventor and XAMPP services

User Experience
- Select topics to create question list
- Retrieve questions in random order
- Self-assess answer quality to remove question from further study if answered correctly

References