Summer ’11 CIS 199 Final Review

The exam will involve writing an in-class app using App Inventor.

The exam will be open note (and Internet).

Partial credit will be awarded for partial solutions.

Topics:

- All midterm topics
- Basic components: Picker, Image, TextBox
- Other stuff components: TinyWebDB, Web
- Definition blocks: ProcedureWithResult
- Lists blocks: Make a list, Select list item, Replace list item, Remove list item, Length of list, Add items to list, Is list empty?
- Control blocks: Foreach, For range
- Advanced “Any” blocks: not required, but may allow easier solutions

Sample questions:

1. [10] Create a new App Inventor app called FinalReview. Add a Label named OutputLabel with blank initial text and a Button named GenerateButton with text “Generate” to the project.

2. [20] Create a Procedure block named populateOutput. When called, the procedure should first clear the current text of OutputLabel. Then, use a For range block to generate 15 random integers between 1 (inclusive) and 10 (inclusive), adding each integer and then a blank space character to the current text of OutputLabel.

3. [10] Add a Screen1.Initialize block which calls populateOutput().

4. [10] Add a GenerateButton.Click block which calls populateOutput().