Middle East Technical University
Spring 2014
CEIT 440 (Visual Programming)

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Office:	C-104
Course Hours:	Wednesday 9:40-11:30 (Lab session – in CEIT-Lab 3)
	Friday 9:00-10:30* (Theoretical session- in CEIT-Seminar Room)
	*Time and day of session can be changed based on the free hours of students

Course Description

This course is designed to provide students basics of algorithms and programming through a visual programming language. Students will develop their own android applications based on their needs. App Inventor environment will be mainly used as a visual programming environment. At the end of the course, it is aimed to teach basic concepts of programming. It is also aimed to reach a working end-product prepared by the students based on their needs.

Target Group

- Students with basic computer skills

- Students with no prior programming experience (or basic level)

- Students who are interested in application development

Resources

Wolber, D., Abelson, H., Spertus, E., & Looney, L. (2011). App inventor: create your own Android apps Sebastopol, CA: O'Reilly.

http://appinventor.mit.edu/explore/

http://www.appinventor.org/

http://www.youtube.com/ -> Search App Inventor

Course Website: http://ocw.metu.edu.tr/course/view.php?id=232

Grading

Participation (%20) Homework (%30) Presentation and End-Product (% 50)

Tentative Course Calendar

Date	Topic
Sep 29th	First Meeting
Oct 8th	Getting to know the environment
Oct 15th	Creating First Applications (using sprites)
Oct 22nd	Using Variables
Oct 29th	National Holiday
Nov 5th	If…Else Structure and Clock use
Nov 12nd	If…Else Structure and Clock use (cont.)
Nov 19th	Loops
Nov 26th	Creating animations with App Inventor
Dec 3rd	Using Multiple Screens and Database
Dec 10th	Using Multiple Screens and Database (cont.)
Dec 17th	Creating a Game with App Inventor
Dec 24th	Game Creation cont. and Recitation for the end-products
TBA	Product Presentations (Interviews will be conducted after this week)