CS 415 Project Presentations

Project presentations will occur during the week of 28 November to 2 December. The purpose of these presentations are to give the class a brief look at the history and goals, syntax and semantics, and a few sample applications for each language studied. Besides viewing the presentations, students will go away with handouts of annotated code from each application that will provide a more in depth look. Each person will be expected to demonstrate their application and discuss their language. If for some reason you are unable to demonstrate your application please get in touch with me ASAP. The schedule and ordering or presentations will be as follows.

Mon, 28 Nov	Wed, 30 Nov	Fri, 2 Dec
Euphoria William Freeman (wtf3q) Gillian Smith (gms8a) PHP Lily Liu (lml4q) Ruby Andrew Leonard (abl8e)	Python Kenneth Authur (kea2f) Daniel Megginson (dmm3v) Ada 95 William Cassidy (wfc4q) PostScript Matthew Rodgers (mrr8r)	Delphi Phong Dinh (ptd5k) Pascal Susan Lindsay (srl5u) Perl John Kim (jlk2v)

I have included email IDs so you can coordinate with other members presenting on the same day if needed. People presenting the same language (Euphoria or Python) will be required to do some minimal amount of coordination described below.

Materials you must prepare for your presentation

Individual application code handout - Each person will be required to prepare a handout (minimum of two pages, could be more if needed) that includes a page of code from their application and a one page description of that code. I have provided an example handout for a snippet of C++ code [PDF]. Your handout does not need to include the contents of an entire file or the most critical guts of your application. The purpose is to give students something to take away from your presentation that they can examine in more detail to get a better idea of how your language works. Using line numbers as I have done in my example is one option. You could also decorate the code with text boxes and arrows pointing to parts of the code. Either way is fine. Feel free to use my word doc as a template.

Slides for your presentation - Each person must contribute slides to the group presentation and speak about their slides. Presentations should consist of the following:

1-2 min	**Introduction** (material from the introduction portion of your project papers)	3-4 slides total
1-2 min per person	**Language Features** (material from the Language Description portion of your papers)	1-2 slides per person

1-2 min	**Introduction** (material from the introduction portion of your project papers)	3-4 slides total
4-5 min per person	**Project Demo**	
1-2 min per person	**Evaluation** (material from Final Evaluation portion of your paper)	1-2 slides per person

Part 1. **Introduction** - Only *one person per language* needs to describe the material from the introduction section (part I) of your project reports, but all group members are expected to contribute to preparation of this portion of the presentation.

Part 2. **Language Features** - *Each person* should briefly describe one feature of the language that they thought was unique, useful, confusing, and/or cool. This could include a particular control flow construct, the way parameters are passed, the way type checking occurs, scoping rules, memory management - pretty much anything from part II of your project report. Your purpose is to point out to the rest of the class what in your mind was one of the more interesting features of your language. Please use code snippets when applicable and explain how the construct/feature works.

Part 3. **Project Demo** - *Each person* should give a short demo of their application. I can provide a TabletPC running WindowsXP with internet access for your demos. The PC has a USB port, but not a CD or disc drive to download files. We also can get some level of wireless access in our classroom. Your group is welcome to bring laptops of their own for demoing purposes. Please talk to me ASAP if you think there will be difficulties in demoing your particular application. I will be around at on the morning of presentations to allow anyone who needs to download files to prepare for their demo. *Note that if you need a language-specific compiler/interpreter for your presentation, you either need to provide it your own computer or speak to me well ahead of time.* Also note that if you don't have your project code ready, you can fill this in with more discussion about language features.

Part 4. **Evaluation** - *Each person* should give their own brief evaluation of the language. This will be material from Final Evaluation (part III) portion of your paper.

Due Dates

Electronic copies of all individual code handouts, and the slides for the group presentation must be emailed to me by **8am on the day of the presentation**. I will make copies of the code handouts and slides for the class and load your slides onto the presentation machine.

I am open to some modification of many of these rules so please get in touch with me if you or your group want to discuss changes.

In addition, I will select a question from each language to use as questions on the final exam so your attendance and attention to presentations will be rewarded. I'm looking forward to seeing these!