

**Date:** Wednesday, January 16, 2008

**Re:** CSSA Minutes

Attendance: Gary, Mike, Gabriela, Abe, Andrew, Jacob, JoyLee

**MySQL accounts created:**

1. Members acquired SQL accounts.
2. Change column label & type: ALTER TABLE table name change name to data-type
3. Learned how to add columns to existing tables.

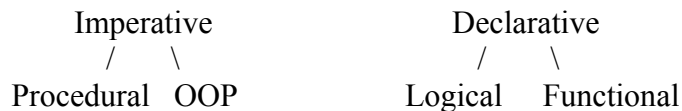
**Jacob's Video Engines discussion:**

1. Gaol – tiling images
2. Images stores as objects by a hash of the file name
3. Textures – storage (32 bit pixel array) of image.
4. Surfaces are areas of texture.
5. Sprites and Animation.

**Gabriela:**

*Erlang* measures how many users are using a specific wireless system at a given moment.

**Gary's Talk on Languages:**



*Declarative*

Each command has a different evaluation.

*Functional* – No state change. First order functions – first order native data type.

*Procedural*

Cleaner, libraries of re-usable components

*Collections of Data*

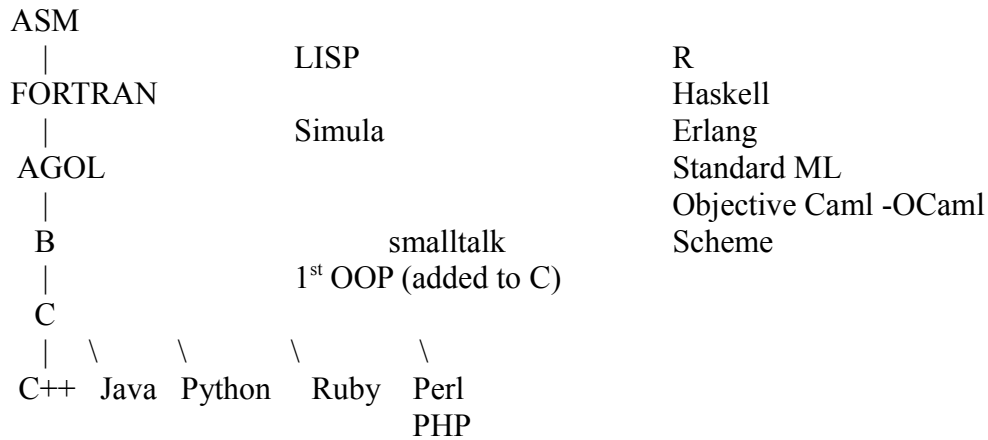
:: Structs and arrays allow for collections of numbers and characters  
:: This lead to the String.

*OOP*

:: Substitutes global variables for data-type definitions

*Lisp*

CLOS – common lisp object system: library for lisp  
Type based overloading --> class bindings.  
7 axiomatic functions: eq, atom, car, cdr, cons, cond, quote.  
Lisp interpreter is called eval.  
Label is for recursive anonymous function.  
Lambda allows an anonymous function to be creates  
Atom detects whether something is a list or atom.  
LISP – infinite precision.  
Scheme is a lisp



### Semester Agenda:

1. Calendar of events:
  - 1.
2. Advertising
  1. Mike
    1. CS 104 Data Structures
    2. CS 026 Prog II
    3. CS 021 Prog I
  2. Gary
    1. Algorithms
    2. Architectures
  3. Abe
    1. Wireless Sensor Networks
    2. Neural Computation
  4. Jacob
    1. Visual basic
  5. JoyLee
    1. CS 228 HCI
  6. Andrew
    1. CS 103 Programming Languages
3. Tee Shirts! (Catamount ASCII) – shirt design