Lab 1: Jan 10, 2013

Food for thought:

Why are you getting a degree in CSC? What do you want to do when you graduate?

How are you going to make an impact when you graduate?

Did you sign the class roster?

Agenda (best guess)

Introductions	15 minutes
Collaboration Exercise	45 minutes
iTrust Installfest	40 minutes
Homework #2	10 minutes

At this point your laptops should be closed.

Hello, my name is...

Your turn!

Introduce yourself to the class. Tell us..

- Your name
- Your answer to the Food for Thought

Now that I've got your attention

This class is not about *programming*. It's about

People

and

Process

OK Cool so now let's play a game

A collaboration exercise!

Activity 1: Designing a Transportation Device

- **Each person designs a transportation device. It needs to be able to:**
  - **Transport people between 1 and 10 miles per hour**
  - **Stop on demand**
  - **Carry at least one person**
  - **Restrain at least one person (so they don’t fall out)**
  - **Look nice**
- **Draw your transportation device. Work alone! Don't look at your neighbor's paper! No collaboration! No talking!**

Integration

- **What time did you wake up this morning? Provide a rank order from earliest to latest.**
  - **1: Braking system**
  - **2: Restraint system**
  - **3: Propulsion system**
  - **4: Appearance**

- **Integrate!!**

Activity 2: Designing a Movie Script

- Each group writes the plot for next summer's movie hit. It needs to have:
  - A love interest between well-known movie stars
  - Attraction for the 18-45 age bracket
  - Explosions. Lots of explosions.
  - A significant plot twist.
- Work in pairs.

Integrate

- **Decide who is pair 1 and who is pair 2.**
- **Integrate . . .**
  - **Pair 1's: Movie stars and Explosions**
  - **Pair 2's: Romantic storyline and Plot twist**

Activity 3: Designing a Robotic Classroom Assistant

- **Each group designs the features for a robotic classroom assistant. The system must:**
  - **Person 1: Monitor the number of people in the room**
  - **Person 2: Have a mechanism the instructor can use to get the students' attention**
  - **Person 3: Make it possible to communicate materials between instructor and student**
  - **Person 4: Have an interesting, marketable name**
- **Pair: 1 and 2; 3 and 4**
- **Pair: 1 and 3; 2 and 4**
- **Pair: 1 and 4; 2 and 3**
- **Individually: draw and name the product.**
  - **No talking :)**
- **Integrate!**

Integrate!

- **Pair: 1 and 2; 3 and 4**
- **Pair: 1 and 3; 2 and 4**
- **Pair: 1 and 4; 2 and 3**
- **Individually: draw and name the product.**
  - **No talking :)**
- **Integrate!**

Integrate!

- **Individually: draw and name the product.**
  - **No talking :)**
- **Integrate!**

Discuss

- **How did everyone's drawings differ? Were all four contributions present?**

iTrust Installation

Now we are going to install iTrust.

How many of you completed the pre-lab activity?

First! Install iTrust on the desktop computers with your partner.

Then! Install Eclipse, iTrust, SQL, on your laptops. Do so for HW if you don't finish today.

Check your versions numbers!

We are using:

- iTrust **v15**
- Eclipse Juno **-> *EE Edition* <-**
- Apache Tomcat **6**
  - **Don't forget the JDBC driver**
- MySQL **5.1**
- Java 1.**6** *(java 6 on linux)*

Last but not least... HOMEWORK!

Due on Thursday

You will learn 7 new technologies (JSP, JDBC, JUnit, etc)

Put them all in one big zip file and submit to Moodle when finished.

This tests your ability to figure out how to install things out on your own - it's like survival skills for Computer Scientists.