EECS22 LAB WEEK1

TA Greetings

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- Weiwei Chen
  Ph.D. Candidate from EECS
  http://www.cecs.uci.edu/~weiweic/home.html
- TAed EECS10 in fall 2008, 2009, 2010; summer 2012
  EECS22 in fall 2011
- Office hour: Mon, Wed, 11:00-1:50pm EH1141
  (email me for additional appointment if needed)
- Email: eecs22@eecs.uci.edu (administrative questions)
  weiwei.chen@uci.edu
- Responsibilities:
  - Lab Sessions (twice/week)
  - Prepare and grade homework
  - Answer questions on the course Messageboard

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Who are you?

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- ☐ Introduce yourself (30sec/student)
  - ◻ Name?
  - ◻ Major?
  - ◻ Which year?
  - ◻ Any programming experience?
  - ◻ What do you expect from this course? / Why do you take this course?

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Course Overview

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- ☐ Course website:
  - ◻ https://eee.uci.edu/12f/18060/
- ☐ Course Communication
  - ◻ eecs22@eecs.uci.edu (Administrative questions)
  - ◻ Course Messageboard (Homework and/or lab related questions)
- ☐ Some tips
  - ◻ Assignments
    - ■ **The deadline is strict.** (Monday at 11:59pm))
    - ■ Hand-on experience is the key to master programming.
    - ■ Send homework early, don't wait till the last few hours (multiple times, send something)
  - ◻ Exams
    - ■ 1 mid-term, 1 final (Be ready for it, exam comes very very quickly)
- ☐ "TA infos" tab on course website
  - ◻ Discussion slides
  - ◻ Program Samples

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Lab Session

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- □ What will we do?
  - ▫ Discuss the homework (30 ~ 40 mins)
  - ▫ Implement the homework, Q&A
  - ▫ Address questions regarding lecture or concepts
  - ▫ Active learning and have some fun
- □ Weiwei's personal goal for teaching
  - ▫ help to develop critical thinking ability
  - ▫ Facilitate student-centered learning in the classroom
- □ What to do before the lab?
  - ▫ Attend the lecture and take some notes
  - ▫ **Read the homework assignment !!**
- □ Attendance is *not* mandatory!

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Assignment1: Getting Started

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- □ Log into the server
  - ▫ Use a terminal with SSH protocol (secure shell)
    - ▪ Windows: putty (demo), OpenSSH, cygwin
    - ▪ Macintosh: built-in ssh client
  - ▫ Connect to the EECS Linux server
    - ▪ ladera.eecs.uci.edu
  - ▫ Authorize yourself with user name and password (password will not be shown explicitly on the screen)
- □ Work in the Linux system environment
  - ▫ Linux shell prints command prompt awaiting input
  - ▫ Type in system commands
    - echo, date, ls, cat, man, more,
    - pwd, mkdir, cd, cp, mv, rm, rmdir
  - ▫ Refer to manual pages or google for help on commands

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Assignment1:Linux System Environment

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- ☐ Similar as Unix
- ☐ Linux Working Environment: Texture based
- ☐ Text editing
  - ◻ **vi** standard Unix editor
  - ◻ **vim** vi-improved (supports syntax highlighting)
  - ◻ **pico** easy-to-use text editor
  - ◻ **emacs** very powerful editor
  - ◻ many others...
- ☐ Pick one editor and make yourself comfortable with it!

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Pair Linux Command Practice

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- ☐ Please find another student and pair up
- ☐ Please use one computer per partnership

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Understand the "Blackjack" Game, setp1

- ☐ Think-pair-share
  - ◼ Please work on your own to answer the questions on the handout first
  - ◼ Compare your solutions with one of your neighbor

Will Weiwei win or lose?

- ☐ What will the "Blackjack" game look like?
  - ◼ Weiwei will show a demonstration to play the game.

Understand the "Blackjack" Game, setp2

- Think-pair-share
  - Please work on your own to answer the questions on the handout first
  - Compare your solutions with one of your neighbor