ORF 401:
Precept 1

Administrative Tasks,
Summary of Languages Used,
& Lab1
Administrative Tasks

- Create mycpanel account

- Instructions and files will be sent through email or uploaded to Blackboard
HTML

- HyperText Markup Language
- Tags encased in <> and/or </> define elements
- Plain text document can be parsed by client, server, or anything else
- Ignores whitespace
- CSS – Cascading Style Sheets – allow for standard formatting
PHP

- Hypertext Pre-Processor
- Primarily server-side scripting language (facebook is mostly built in php)
- Also plain text using its own set of tags
- Loosely typed – no need to declare variable type
- Lots of built-in functions.
JavaScript

- No relation to Java
- Primarily client-side scripting language generally used in conjunction with HTML
- HTML document will contain or link to these scripts to allow more dynamic, client-side behavior
- E.g. Image/document swap. Form validation.
- Object-oriented
- Most browsers are built largely using JavaScript. This secured its dominance as the webscripting language in the earlier days of browsers like Netscape Navigator
MySQL

- A Database Management System based on SQL
- Used to store and sort data, almost always on a server
- Is typically accessed through commands
  - A Unix Command Line
  - Calls to a Server in a server-side language
  - Calls to a Server from a stand-alone program
- Often read to and written from in PHP
- Other Details:
  - Requires a Server that is setup to handle it
  - Important for large-scale data access
Lab 1

- Detailed description on course website
- Build (in order of importance):
  - Basic front end that allows user to search for rides by common origin/destination in php.
  - Use other technologies to standardize and improve aesthetics of front end.
  - If above is only of low or moderate difficulty, build backend of search modify the java files given to you.