

# Final Lab Report & Code Submission

## Submission Deadline

The final lab report is due on **December 4, 2013 by 11:59pm**. Late submission will not be accepted. You must submit your report with the complete code using the following command on EECS machine by the deadline. The lab report should be saved in PDF format.

```
$ submitcsc326f 5 final_group_<group_number>.tar.gz
```

The final report is worth 20% of the project. Any submission without the complete code will not be graded.

## Final Lab Report

The report should be the complete documentation of your web application and the development process. Your report should follow the following structure, and it must not exceed 5 pages of text, excluding screenshots, graphs, and other appendices.

### Overview

A high-level description of the project.

### Architecture

Provide a block diagram of your application, and brief description for each component.

### Features

List the features that are provided by your application, include at least one screenshot for each feature.

### Performance

What is the latency and throughput of your application when deploying it on AWS EC2 micro instance? How much resources does it use? How to further improve the performance of your application?

### Methodology for Benchmarking and Optimization

How did you evaluate the bottleneck of you application, and how did you optimize your application?

### Description of Design Tree

Provide a brief description for each file or package included in your code submission.

### **Contribution**

How was the project partitioned within your team? Did it work as expected? If it didn't, what would you do differently if you could start the project again from beginning?

### **Reflection (per individual)**

What did you learn by doing the project?

Which part of the project is most challenging for you?

What background (e.g. skills, knowledge, experience) do you think would be helpful for you to complete the project?

### **Course Feedback**

Any comments or suggestions you would like to make about the course for the future.

### **Appendix**

Additional screenshots of your application.

Graphs for benchmarking

Full record of your progress report from Lab 1 to Lab 4

Your report should be self-contained that readers without previous knowledge about the project should be able to understand your achievement in this work.

## **Code Submission**

You must submit the source code of your application, the installation package for installing your application on a new Ubuntu server, and the instruction to use your installation package.

You should remove/replace all credential for accessing AWS services and Google APIs in the submission. For example, you may replace the value of CLIENT\_ID by "xxxxxxxxxxxxx" in your source code.

Remove the database files in your submission. If you are using a third party database service, you should include a README file that provides instructions for setting up the database service.