

Deliverable 1

Submit team members, weekly meeting time, and project proposal (1%)

Team Member Information:

Aliya Petranik - petranik@usc.edu

Zhengxi Xiao - zhengxix@usc.edu

Krishna Gopal - gopalk@usc.edu

Apurva Gandhi - apurvaga@usc.edu

Qiusi Li - qiusili@usc.edu

Meeting Time:

Thursdays 5-7pm

King Hall (KOH)

Project Overview: USC Course Rating Web Application

Our project is a course rating web application that allows USC students to search for courses offered, view other students' comments and ratings for the course, and leave their own comments and ratings.

Use of GUI

Our graphical user interface will allow users to find courses, leave ratings and comments, and view other students' ratings and comments. Our GUI will let users search for courses in two ways. The user can navigate to a page that contains all of the courses sorted by department or they can enter the course in a search bar. Once a course is selected, the user will be shown the specific information for the given course. The component for each course will include the full name of the course, the average rating of the course, individual ratings for each teacher that taught the course, and comments for the course.

Use of Multithreading and Networking

Our use of multithreading and networking will go hand in hand in our web application. Users will be able to write and submit reviews while other users can search courses and use other features of the website. The comments that a user writes must be sent to a server and received by other users. The sending and receiving of this data must be done at the same time, requiring multithreading.

Login System with Guest User Functionality

We will use the USC server to authenticate login. Authenticated users will be able to give reviews and write comments on courses. Using the student's USC course information, additional information can be displayed for each course, including required prerequisites to a course and whether or not the student can register for the course. Users also have the option to use the web application as a guest, in which case they will not be able to write reviews; they can only read the comments. We will also have users with administrator privileges. These users will be able to change the course description and course information,

and remove any flagged comments. All users will be able to add courses to the site that they notice are not already reviewed on the site.