Manual Test Plan

Anirud Yadav
ayadav4
Sonia Mohanlal
**mohanla2**

Connect:

For the final week, the connect section of the project has been modified as following. The user can find people with same interest as him. The main interest page now looks as following:

When the user clicks on the "Find people" button, we is directed to a new page where he can find people with same interests as him. The page looks as following:

The user can select one of the options from the down list to find people with same interest as him. For example, if the user selects "leisure activity" from the drop down list and clicks on "find!" button, the following information is displayed:
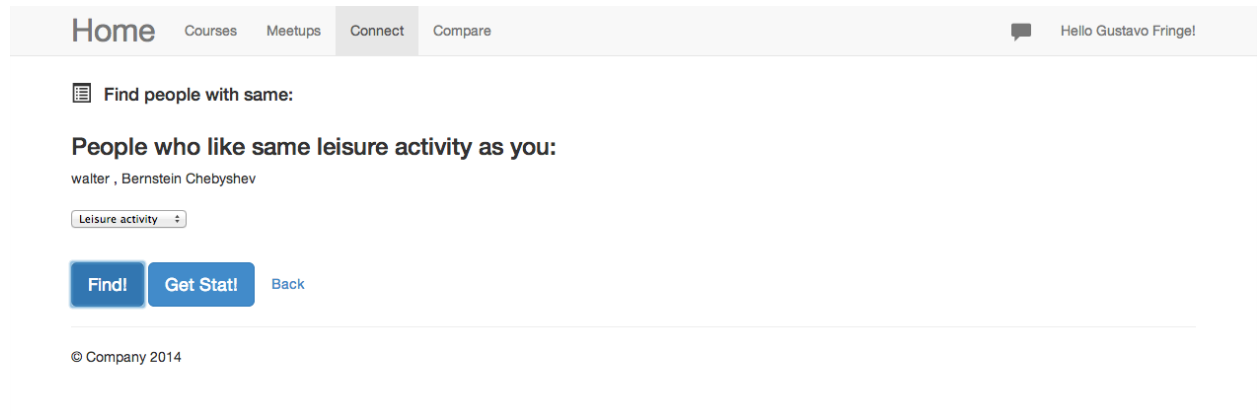
If the user clicks on "Get Stat!", then a list of all other users is displayed with a percentage showing how much compatable (has same interest) each user is with the current user. Hence, the page looks as following:
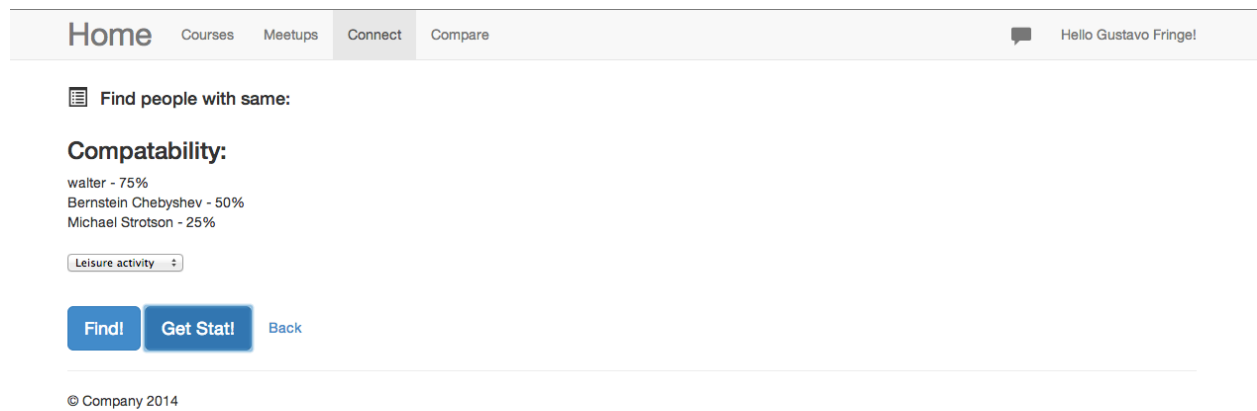
Also now the user can message other users by clicking on the message icon on the top right corner. The message page looks as following:

| Home | Courses | Meetups | Connect | Compare | | Hello Gustavo Fringe! |

Messages

☑ **Michael Strotson**

☑ **walter**

To:

Name

Content:

Message

Send

© Company 2014

The page displays the name of all the users who have messaged the current user. The name are listed in the order of the timestamp of the message delivery. Hence when the user walter sends a new message to the current user then the message looks as following:

| Home | Courses | Meetups | Connect | Compare | | Hello Gustavo Fringe! |

Messages

✉ **walter**

☑ **Michael Strotson**

To:

Name

Content:

Message

Send

© Company 2014

Now the list has been updated and the message by walter is on the top. Also a new message is marked until the user reads it. Once the user clicks to open the message, he is directed to a new page where he can see all the messages sent by that user. The page looks as following:

Message Thread:

New message - *2014-05-03 23:01:45*
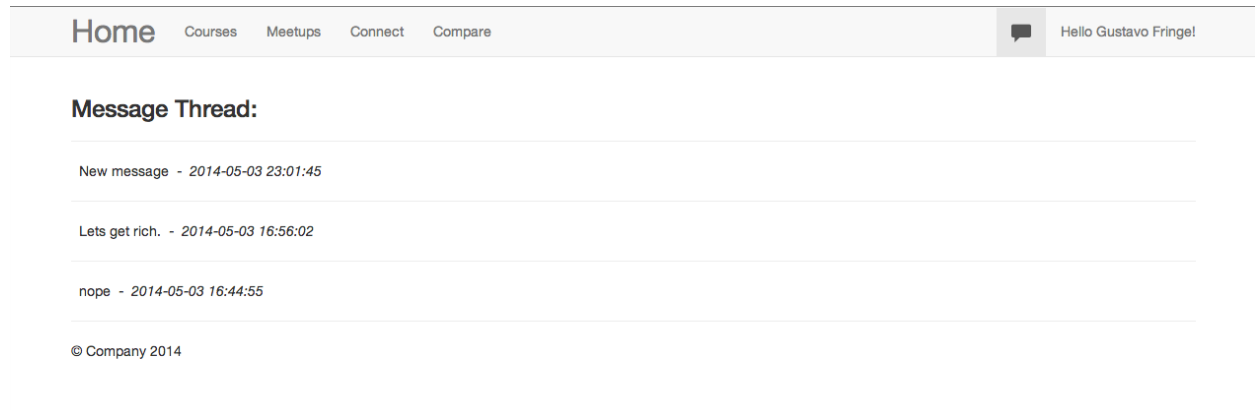
Lets get rich. - *2014-05-03 16:56:02*

nope - *2014-05-03 16:44:55*
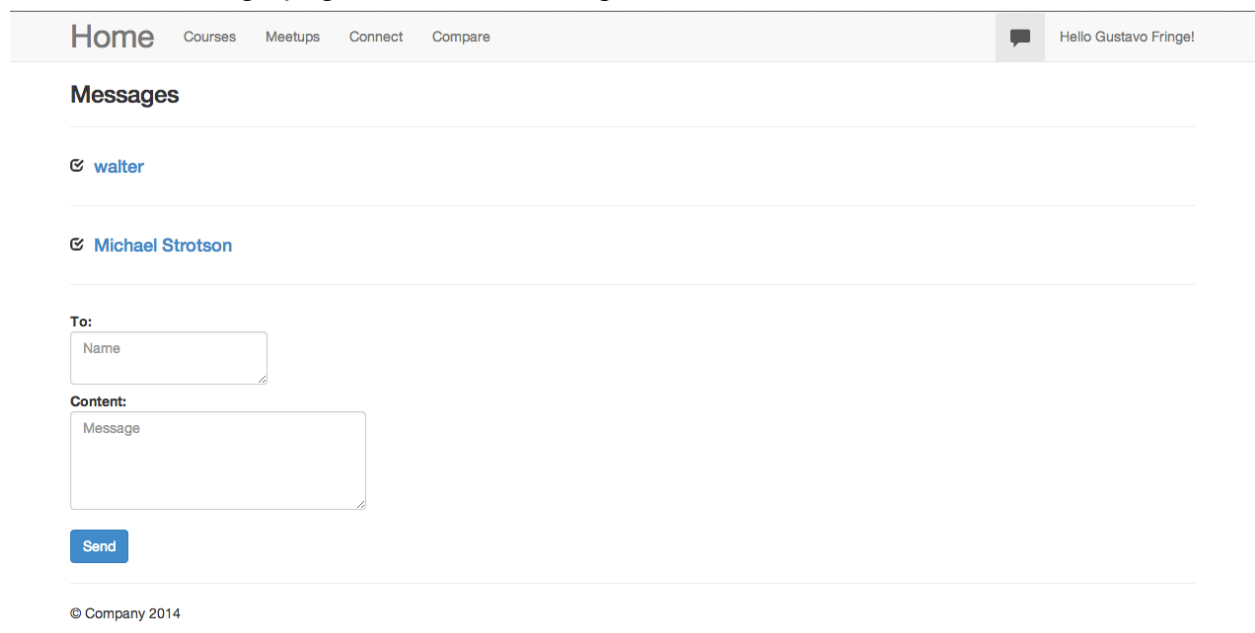
© Company 2014

The page displays all the messages along with their time information. Now if the user goes back, the message page looks as following:

Messages

☑ walter

☑ Michael Strotson

To:

Name

Content:

Message

Send

© Company 2014

As it can be seen, the new message is now marked read.

ProfessorDetails:

For the final week, we had decided that we would build on our code furthermore and display indepth statistics for each class as well as each professor.

- On the professors page, we first display the overall rating of the professor amongst all the classes he/she has taught. The overall rating is computed with taking the weighted average of each of the quantitative components of the difficulty level, time-commitment and enjoyment
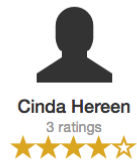
Cinda Hereen
3 ratings
★★★★☆

- As you can see, when the user enters the page he sees the number of reviews the professor has gotten as well as the professor's overall quality. This would assist users in helping them decide the best professor for each class.

- The next feature we implement is a sortable table containing all the reviews of a professor, as well as the course details, the avg statistics, and date the review is posted.

Reviews

Date	Class	Rating		Comment
04/20/14	CS 225	Overall: ★★★★☆ Difficulty: △△△ Time: ◌◌◌ Enjoyment: 👍👍👍👍 <		Awesome Professor... so easy at explaining stuff!!!
04/24/14	CS 100	Overall: ★★★★☆ Difficulty: △△△△ Time: ◌◌◌◌◌ Enjoyment: 👍👍👍 <		Awesome professor
04/24/14	CS 225	Overall: ★★★★☆ Difficulty: △△△ Time: ◌◌◌◌◌ Enjoyment: 👍👍👍👍👍 <		awesome

- As you can see the list is very visual so as to help users quickly gauge the popularity of a professor. Also, the list is sortable. For instance I can click on any of the columns, and it will sort the reviews either in ascending or descending order. To test this, I try to sort my "Date" column

Reviews

Date ▾	Class	Rating		Comment
04/24/14	CS 100	Overall:	★★★★☆	Awesome professor
		Difficulty:	△△△	
		Time:	☺☺☺☺☺	
		Enjoyment:	👍👍👍	
		<		
04/24/14	CS 225	Overall:	★★★★☆	awesome
		Difficulty:	△△△	
		Time:	☺☺☺☺☺	
		Enjoyment:	👍👍👍👍👍	
		<		
04/20/14	CS 225	Overall:	★★★★☆	Awesome Professor... so easy at explaining stuff!!!
		Difficulty:	△△△	
		Time:	☺☺☺	
		Enjoyment:	👍👍👍👍👍	
		<		

- And now you can see, the professor reviews table is sorted by date in a descending order. The downwards arrow next to the date indicates the orientation of sort.

- The next feature we implement on the reviews table is that we display the average time, difficulty and enjoyment from the courses the professor has taught.
- However these figures are weighted by the reviews that get the most approval so spammers do not compromise the integrity of the review system.

Statistics

≣ Summary	Average Difficulty	Average Time	Average Enjoyment
	★★★☆☆	★★★★☆	★★★★☆

- As you can see, the average professor summary is displayed over here

CourseDetails:

With courses, our main intention was to provide users more statistical information, make the site more attractive and overall fix and integrate various parts to make the website come together as a whole.

- One of the first things we changed in the coursedetails page this week is that now we have an "auto-complete" feature for our professors and ta's textbox. This saves users the tedious task of filling out names all the time.

Add a Review

Professor name:	▼
TA:	Red Michael Seligman Cinda Hereen
Semester	Lawrence Angrave
Expected Grade/Grade:	Select option...
Part of:	○ College Core ○ Major Requirement ○ Elective

Qualitative Reviews

Difficulty:	○ 1 ○ 2 ○ 3 ○ 4 ○ 5

- As you can see, the user can simply click on the downward arrow button and obtain the names of all the professors teaching that class. The user can also type, and the textbox will give auto-complete suggestions.

Add a Review

|	
Professor name:	Ci ▼
TA:	Cinda Hereen
Semester	Select option...
Expected	Select option...

- The same feature is implemented for the ta's. Overall, this helps us avoid duplicate information, also incase users cannot find the professor they want on the dropdown list, the autocomplete textbox provides the flexibility for them to add a new professor.

- Another feature we added was displaying the overall course review, number of ratings as well as average grade of the class in the front-page.

CS 100: Freshman Orientation

Credit	1 hours.
Description	Introduction to Computer Science as a field and career for computer science majors. Overview of the field and specific examples of problem areas and methods of solution.
emesters Offered	Fall 2013, Fall 2012, Fall 2011, Fall 2010, Fall 2009, Fall 2008, Fall 2007, Fall 2006, Fall 2005, Fall 2004

★★★★☆
5 Ratings

B+

Find Tutors
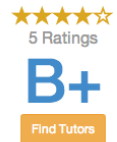
- The overall course reviews are computed by taking an average of the weighted quantitative components.
- The same goes for computing the average grade.
- The number of ratings below the star must match the number of reviews in the display reviews section.
- Also, when the user clicks on the "find tutors" button, a modal will show up showing all the available tutors for the class
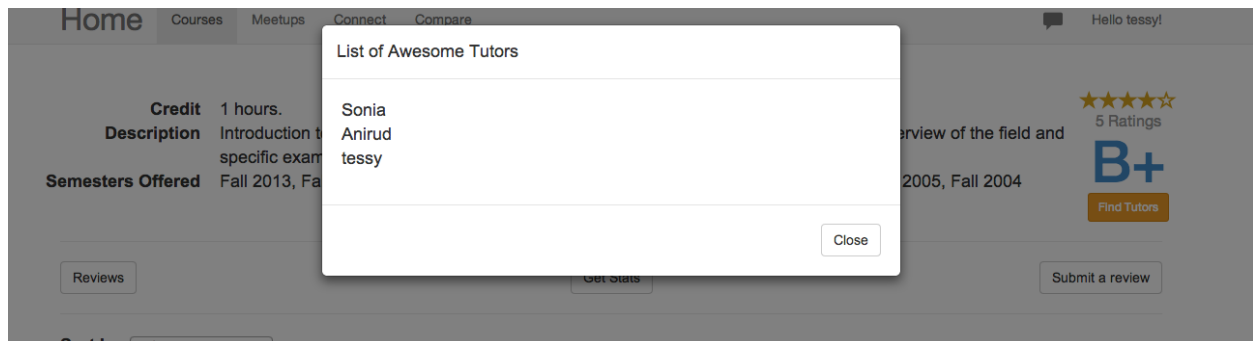
- As you can see, clicking on the "find tutors" button brings up a pop-up that shows us the list of tutors for a specific course. We can close this pop-up by clicking on the "close" button, which will take us back to the main course page.

- We have also completely revamped and added much more indepth and useful statistics in our statistics section.
- Our first change is that we have seperated different kind of statistics into a button to assist users to view the kind of stats they are interested in.

- As you can see, there are 6 different buttons for the get-stats section. The user can click on any of them and the field will get highlighted and come into view.
- In the first one you can see the average statistics which we have already computed last week.

- When the user clicks on a different section, the element must appear below the buttons and replace the previous visualization.
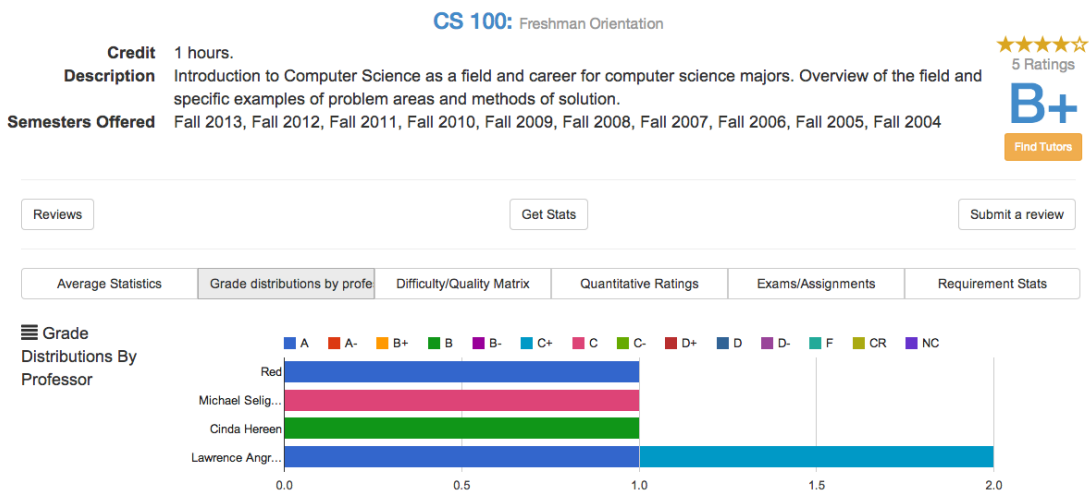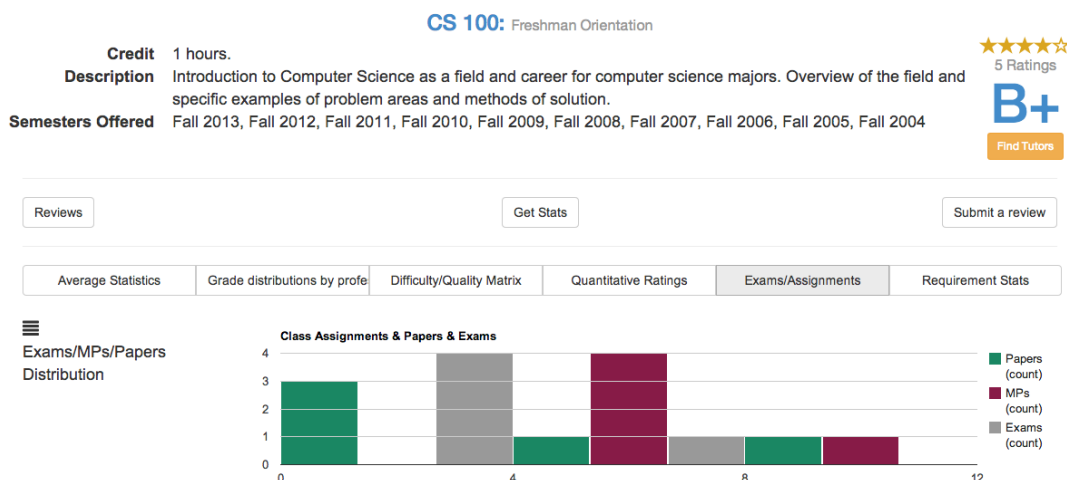

- As you can see when the user clicks "grade distributions by professor", the average statistics disappear, and get replaced by the grade-distributions by professor chart.
- This chart, btw, is another feature we need to test, it gives the grades each professor has given out in a stacked format so to help users assess their professors leniency.

- The next visualization is a "difficulty/enjoyment matrix" by professors. It should show the correlation between the average difficulty and time of each professor for the class.
- One of the reasons we have this graph is because college students constantly need to make tradeoffs regarding their enjoyment of a professor versus the professor's strictness. So, we thought that this would help them make informed decisions of whom they want to study with
- The chart also compares each of the professors with the average difficulty/enjoyment matrix of the class, to help users understand if their professor is stricter or easier than average etc.

Difficulty and Enjoyment Matrix by Professor

Correlation between average difficulty and time for each professor
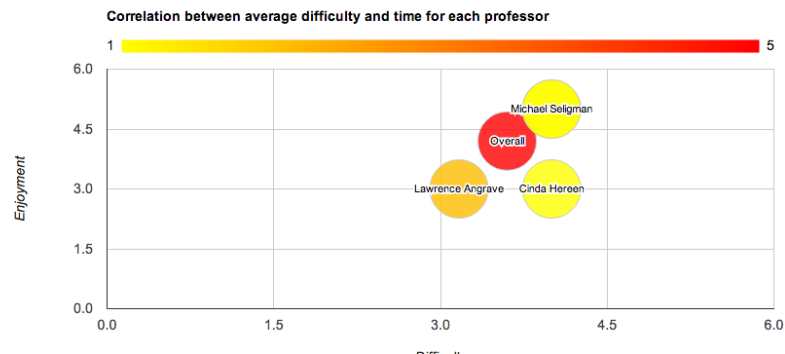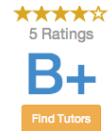
- As you can see the above bubble-chart shows the position of each professor in the "Difficulty/Enjoyment" matrix. The color indicates the weight of the curve. The lighter the color, the less weight that position has compared to the darker colors. The average naturally has the darkest color, cause it takes in all the reviews into account.

- The next new statistic is a chart that displays the # of exams/assignments/papers in each class according to users.

CS 100: Freshman Orientation

Credit	1 hours.
Description	Introduction to Computer Science as a field and career for computer science majors. Overview of the field and specific examples of problem areas and methods of solution.
Semesters Offered	Fall 2013, Fall 2012, Fall 2011, Fall 2010, Fall 2009, Fall 2008, Fall 2007, Fall 2006, Fall 2005, Fall 2004

★★★★☆
5 Ratings

B+

Find Tutors

Reviews   Get Stats   Submit a review

Average Statistics   Grade distributions by profe   Difficulty/Quality Matrix   Quantitative Ratings   Exams/Assignments   Requirement Stats

Exams/MPs/Papers Distribution

Class Assignments & Papers & Exams

- The values are just a visual way of representing the range of exams/papers and assignments for the class.

- Last, but not the least, we display a pie-chart showing the proportion of students taking the class for their major, for their college elective or for their college core.

Credit	1 hours.
Description	Introduction to Computer Science as a field and career for computer science majors. Overview of the field and specific examples of problem areas and methods of solution.
Semesters Offered	Fall 2013, Fall 2012, Fall 2011, Fall 2010, Fall 2009, Fall 2008, Fall 2007, Fall 2006, Fall 2005, Fall 2004

★★★★☆
5 Ratings

B+

Find Tutors

Reviews		Get Stats		Submit a review

Average Statistics	Grade distributions by profe	Difficulty/Quality Matrix	Quantitative Ratings	Exams/Assignments	Requirement Stats

≡ Part of Core

■ College Core
■ Major Requirement

40%
60%
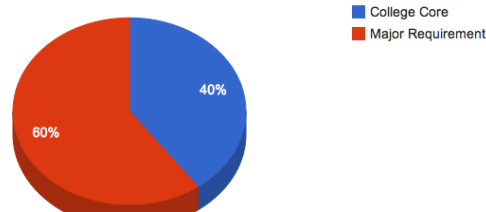
- The chart is 3d, and should match up to the review information.
- On clicking the pie-chart, the user should be able to get the number of reviewers for whom this class was a core/major or elective.

Average Statistics	Grade distributions by profe	Difficulty/Quality Matrix	Quantitative Ratings	Exams/Assignments	Requirement Stats

≡ Part of Core

College Core
2 (40%)

■ College Core
■ Major Requirement

40%
60%