

# CPSC 473 - Web Programming and Data Management

## Project 2 - Spring 2016

### Dates

- Team Formation: Section 02 - April 4 , Section 01 - April 6
- Project Selection: Section 02 - April 18, Section 01 - April 20
- Presentations: Section 02 - May 9, Section 01 - May 11
- Source code and documentation due: Section 02 - May 16, Section 01 - May 18

### Summary

Use client-side JavaScript, Node.js, and Redis and/or MongoDB to build a web application. You may use any available third-party Web Service APIs, libraries, or modules, including Socket.IO and Knockout.

### Team Formation

A “snake” draft will be held in class the week of April 4 to choose teams of 5 or 6 students. At the end of class on that night, each team should email [csuf.kenytt.net@gmail.com](mailto:csuf.kenytt.net@gmail.com) with the following items

- The name and email address of each student on the team
- A team name

### Project Selection

Projects will not be assigned; teams will need to choose their own projects. They must, however, be pre-approved. By the end of class the week of April 18, each team should send email to [csuf.kenytt.net@gmail.com](mailto:csuf.kenytt.net@gmail.com) with a brief project description.

### Suggested Projects

- An interactive playlist and music-sharing site like [dubtrack.fm](http://dubtrack.fm) (but if the RIAA comes knocking on your door, I don't want to know about it)
- An online multiplayer game like [Words with Friends](#)
- An online version of a tabletop game like [Mad Libs](#) or [Cards Against Humanity](#) (but if you choose the latter, please try not to offend anyone during the demo)
- A mobile app that uses [HTML5 features](#) such as geolocation, motion sensors, or media capture

## Functionality

As with the previous project, descriptions submitted may be brief and deliberately under-specified. Start with a set of desired features, plan according to the available time, and build an interesting [MVP](#).

Projects should include one or more of the following:

- Real-time interaction
- Client-side MVC
- RESTful back-end services using JSON
- Integration with third-party Web Service APIs

## Working with Other Teams

You may discuss the project with other teams, but each team must build its own application and submit its own work.

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### Section 02, Team 1

- Bichu,Niyati Gurunath
- Dhananjaya,Rakesh
- Gawade,Neha Sharad
- Joshi,Nitesh Ashok
- Prabhu,Nimesh Ramesh

### Section 02, Team 2

- Mehta,Rohan Vipulbhai
- Patel,Vidhi Suresh
- Rege,Anish Anup
- Shah,Gaurang Aniruddha
- Wood,Jacob Landon

### Section 02, Team 3

- Karunanithi,Karthik
- Mahashabde,Dipika Devendra
- Ramappa,Vinay
- Saxena,Sarthak
- Tiwari,Shankar

### Section 02, Team 4

- Naji,Husamaldeen M

- Patel,Nikunj Suresh
- Rakibe,Kuldeep Dharmraj
- Thaduri,Sumana
- Thakkar,Dhrumit Bharatbhai

#### Section 02, Team 5

- Gaidhankar,Swapnil Vijay
- Mehta,Rohan Ketan
- Pandya,Pankil Killolbhai
- Patsariya,Anurag
- Zanjad,Piyusha Kailash

#### Section 02, Team 6

- Aklobessi,Messan H
  - Clay,Jonathan Melton
  - Kulkarni,Gargi Mrunal
  - Pimpale,Pritesh Chandrakant
  - Salvi,Swapnil Prakash
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#### Section 01, Team 1

- Megan Bond
- Kevin Mittman
- Ammar Ali
- Neenu

#### Section 01, Team 2

- Burton Skyler Lister Aley
- Brendon Hollingsworth
- Michelle Beck
- Seonghyeon Lim
- Chengcheng Zhu

#### Section 01, Team 3

- Holly Ho
- Billy Saysarath
- Ashish Merani
- David Dao
- Anh Nguyen

#### Section 01, Team 4

- Joe Edwards
- Sayali Joshi
- Uday Shah
- Ketul
- Jinal Patel

#### Section 01, Team 5

##### Sarah Alfayez

- Noor Naijar
- David Dang
- Haseeb Akthar
- Anusha Devabhaktuni

#### Section 01, Team 6

- Jason M
- Van Nguyen
- Sha Lu
- David Hoxie
- Indra Saputra

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### Submission

On presentation day, give a short demonstration of your application to the class. Include both functionality and implementation details. Your entire team must be present and available to answer questions, but you may designate individual team members to do the presentation.

On the due date, submit a single copy of the following to [csuf.kenytt.net@gmail.com](mailto:csuf.kenytt.net@gmail.com) by 11:59p:

- Documentation for your project in a PDF file with screenshots demonstrating your application's functionality.
- Your project code and other assets, submitted either
  - a. As a .ZIP or .tar.gz.
  - b. As a link to a GitHub repository.

Include your team number, team name, and the names of all team members in your e-mail. Set the Subject: line of your e-mail to

[CPSC 473-01] Project 2

or

[CPSC 473-02] Project 2

as appropriate. Monday night is Section 02; Wednesday night is Section 01.

You may submit multiple times before the deadline; I will only grade the most recent submission before the deadline, unless your e-mail indicates that I should do something else. Late work will not be accepted after the deadline.

## Grading

Each of the following will be graded on a 2-point scale (0, 1, or 2 points):

- **Functionality** - Does the application work as advertised? Is it a reasonable approximation to the project description?
- **Documentation** - Is there any? Does it describe the functionality of the application? Does it include installation and setup instructions? Are any additional requirements or prerequisites documented?
- **Error handling** - Is there any attempt to handle, report, or recover from errors, especially in external services? Is input validated?
- **Source code hygiene** - Does JSHint pass? Are lines indented appropriately? Are there large chunks of code commented out without explanation?
- **Source code maintainability** - Are there reasonable variable names? Are there modules? Comments? If someone who wasn't on your team needed to add some functionality or fix a bug, would it be easy for them to find the appropriate spot?

The following factors are each worth an additional point, up to a maximum of 10:

- **Aesthetics** - Does it look nice?
- **Creativity** - Does it do anything special or interesting?

In general, except in extraordinary circumstances, each student in a group will receive the same grade.