CPSC 473 - Web Programming and Data Management

Project 1 - Spring 2016

Deadlines

- Presentations: Section 02 - March 21, Section 01 - March 23
- Source code and documentation due: Section 02 - April 4, Section 01 - April 6

Summary

Use client-side JavaScript and Node.js to build a web application as specified below. Use JSON Server to store back-end data. You may use any available third-party Web Service APIs, libraries, or modules, in accordance with their licenses.

Functionality

Note that the following project descriptions are brief and deliberately underspecified. Start with a set of features, plan according to the available time, and build something interesting. Think of your project as a proof-of-concept, prototype, or Minimum Viable Product.

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.

Section 2, Team 1 - “Detectable Headcount[1]”

- Patel, Vidhi Suresh
- Saxena, Sarthak
- Patel, Nikunj Suresh
- Tiwari, Shankar
- Gawade, Neha Sharad

Section 2, Team 2 - “Causeless Barbarism”

- Clay, Jonathan Melton
- Thakkar, Dhrumit Bharatbhai
- Aklobessi, Messan H
- Kulkarni, Gargi Mrunal
- Gaidhankar, Swapnil Vijay

[1] Goofy team names courtesy of the Random Phrase Generator.

Section 1, Team 1 - “Acerbic Unseemliness”

- Shah, Ketul Pankajkumar
- Alfayez, Sarah Fahad
- Joshi, Sayali Pradeep
- Edwards, Joseph John
- Hoxie, David Matthew

Build a publishing gateway for Twitter like sproutsocial or TweetRoost where groups of users can post from a single account.

Section 2, Team 3 - “Prescient Latency”

- Zanjad, Piyusha Kailash
- Rakibe, Kuldeep Dharmraj
- Mahashabde, Dipika Devendra
- Mehta, Rohan Vipulbhai
- Shah,Gaurang Aniruddha

Section 1, Team 2 - “Introverted Ibis”

- Patel, Jinalben Jagdishkumar
- Zhu, Chengcheng
- Tailor, Haseeb Akthar
- Saysavath, Billy Bounpaseuth
- Ho, Holly Ha

Section 1, Team 3 - “Bidirectional Broadcaster”

- Bond, Megan Allena
- Lu, Sha
- Ali, Ammar Yasir
- Najjar, Noor
- Shah, Uday Chandrakant
- Nguyen, Van Leslie

Allow users to create their own “business card” or “landing” page similar to about.me or distilled.me.

Section 2, Team 4 - “Inexhaustible Grapnel”

- Prabhu, Nimesh Ramesh
- Pimpale, Pritesh Chandrakant

- Dhananjaya, Rakesh
- Mehta, Rohan Ketan
- Joshi, Nitesh Ashok

Section 2, Team 5 - “Unsubstantial Septet”

- Salvi, Swapnil Prakash
- Naji, Husamaldeen M
- Bichu, Niyati Gurunath
- Thaduri, Sumana
- Karunanithi, Karthik

Section 1, Team 4 - “Thermodynamic Mistranslation”

- Sonnati, Revanth
- Merani, Ashish Noorali
- Nguyen, Anh Ngoc
- Dao, David
- Mckay, Jason Gordon

Build a social news voting site like Reddit or Hacker News.

Section 2, Team 6 - “Handcrafted Mutilator”

- Patsariya, Anurag
- Pandya, Pankil Killolbhai
- Rege, Anish Anup
- Wood, Jacob Landon
- Ramappa, Vinay

Section 1, Team 5 - “Nonjudgemental Hypertensive”

- Hollingsworth, Brendon Kyle
- Lim, Seonghyeon
- Lister Aley, Burton Skyler
- Beck, Michelle Nicole
- Saputra, Indrawan

Section 1, Team 6 - “Primordial Immovability”

- Devabhaktuni, Anusha
- Nguyen, Christopher Vu
- Varghese, Neenu Ann
- Dang, David Huy
- Mittman, Kevin Matthew

Build a photo-sharing site where users can upload incriminating photos and post their lists of demands. (For entertainment purposes only -- please don't actually blackmail anyone.)

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 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 1
```

or

```
[CPSC 473-02] Project 1
```

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.