**CS 20 Web Programming  
Assignment: Final Project**

## Deliverables

URL of the working app

PPT/slide deck explaining the following (note, more than one item can be addressed on a slide:

* what does your app do
* why did you pick this project
* a few screenshots showing key functionality
* sample of code you are most proud of
* what tools / technologies did you use
* your biggest challenge and how you solved it
* the most interesting part of the project
* the most satisfying part of the project
* list of team members (first and last name) and their contribution to the project
* site any sources used for code help

NOTE: The final project must be submitted to canvas by the team leader ONLY.

## Objectives

## Work collaboratively as a team to build an interactive web application Show off what you have learned this semester

## Tasks

This is a GROUP PROJECT. Every member of the group will receive the same grade.

Your assignment is to create a web app.

The topic is up to you! It has to have an intuitive interface and be interactive and useful.

I am expecting you to challenge yourselves by getting something complex working rather than creating a multi-page site. This is your opportunity to take what you have learned (including how to figure out new web technologies) and create something seriously cool.

**Ideas**

Below is an amazing compendium of ideas (also approximately halfway down the page is a list of public API's). You do not need to use any of these, but the list may get your ideas flowing!

<https://flaviocopes.com/sample-app-ideas/>

**Requirements:**

* Use HTML/CSS/Javascript and optionally jQuery
* Must use a database(SQL or NoSQL)
* Must use a server-side technology - you may use PHP or Node.js / Heroku (or both!) to accomplish this
* Must use an external API

***There is NO requirement for:***

* # of pages
* # of forms
* # of lines of code

**Final Project Review Presentation**

* 7-10 minutes
* name of the app and what is its purpose
* design considerations
* show it off! note any special features
* remainder of items in PPT

## Rubric

Meets requirements: 40 points

Works / technical excellence / creativity: 40 points

Deliverables/Slide deck/Presentation: 20 points