Presentation Requirements

You will be responsible for preparing a formal, 10-minute presentation that covers the following:

The overall concept of your application

Your motivation for developing the application

Your design process

Technologies used (and a brief description of how they work)

A demonstration of the application's functionality

Directions for future development

Treat the presentation seriously!

Sometimes, talking intelligently about tech > doing tech.

Bonus

Utilize Firebase for persistent data storage.

Make your site mobile responsive.

Use an alternative CSS framework such as Materialize.

Project Metrics

Your project will be evaluated on the following:

Concept

Design

Functionality

Collaboration

Presentation

API Suggestions

Stick to APIs that do all of the following:

Allow cross-origin resource sharing (CORS)

Require simple or no authentication

Return a JSON response

Are well documented

Project Requirements

Use at least two APIs.

Use AJAX to pull data.

Use at least one new library or technology that we haven't discussed.

Create a polished front end/UI .

Meet good quality coding standards (indentation, scoping, naming, etc.).

Do NOT use alerts, confirms, or prompts (look into *modals*).

Incorporate some sort of repeating element (table, columns, etc.).

Use Bootstrap or an alternative CSS framework.

Deploy your site to GitHub Pages.

Include user input validation.

API Suggestions

Find a collective list (updated daily!) of free APIs for use in software and web development here: public-apis

Spotify	Pinterest
Reddit	Google
YouTube	Tumblr
LinkedIn	OpenStreetMap
SoundCloud	Giphy
Wikipedia	BitCoinCharts
Flickr	Stack Exchange

Example Project Ideas

Event Searcher:

> Users type in the name of their favorite sports team.

> Using the SeatGeek API, your web application points users to the time and location of the team's next game.

> The web application also provides users with an eBay link to purchase memorabilia associated with the team.

Example Project Ideas

UN Data API:

Use the unofficial UN Data API to search a user-specified country's health records.
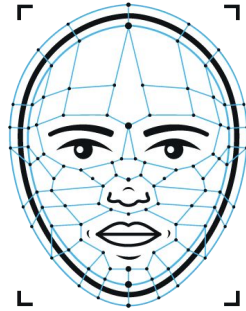
Use a secondary data source (Google Maps, Flickr, YouTube, etc.) to provide additional context or data.

Examples: per capita government expenditures on health; number of physicians; deaths due to HIV, malaria, etc.; low-birth-weight newborns.

Example Project Ideas

Facial Recognition:

Use the Face++ API.

Allow users to provide a link to a facial image, and then provide viewers with information about the image's gender, race, age, and whether they are wearing glasses.

Or just do your own thing.
Be creative! Be ambitious!