

Project requirements

The first project is mostly open-ended, with some specific requirements as outlined in this section.

Overall, you can receive full credit on the first project if:

- Your project meets the Logistical, Technical, and Style requirements listed below.
- You successfully deploy your site to GitHub.
- You turn in the completed Project Proposal on-time (1 week).
- You turn in your completed First Project on-time (4 week).

0. Logistical requirements

- This is an individual assignment; you may not work in pairs or groups.
- There are two deadlines for the first project:
- **Fri, Oct 26 @ 11:59pm:** Project Proposal is due (Post to FB course group)
- **Fri, Nov 23 @ 11:59pm:** First Project is due (later)
- NO late submissions will be accepted for either deadline.

1. Technology requirements

In your first project, you **must** include the following technologies:

Frontend: HTML/CSS

- Use classes and ids
- Use `display: flex;`
- Include a CSS animation or transition
- Change 2+ default font properties
- Change 2+ box model properties (border, padding, margin)

Frontend: JavaScript

- Write object-oriented JavaScript
- Include 2+ ES6 classes
- Use at least one callback or Custom Event to communicate between classes
- Listen for 2+ events
- Can be the same event type, like 2 `click` events
- Use `fetch()` to talk to your backend

Backend

- Use PHP
- Save persistent data in some way using **Database**

Misc

- You need to incorporate all these technologies into one cohesive web app.
- Your project should be relatively bug-free.
- You should **aim small** in your project scope.

2. Style requirements

These style requirements should be no surprise, as we've enforced them all quarter.

HTML/CSS:

- Use tags semantically, e.g. don't use `<div>` for every single element on your page.
- No deprecated tags.
- Use descendent selectors to reduce redundancy in CSS and HTML
- You must write raw HTML and CSS.
- Don't use SASS or compiled CSS/HTML

JavaScript:

- Must write object-oriented JavaScript.
- You must write raw JavaScript.
- You **may** use jQuery.

Backend:

- Your backend must be written using the PHP libraries

Extra credit

The following features are extra credit:

- Support user login
- Mobile version
- Accessible website