

## Individual Pet Project (10% of total grade)

**FORMAT:** *A student-negotiated independent project.*

**REQUIREMENTS:** You will create a small web application that utilizes the techniques covered in this course, and that is in line with your own personal interests. For example, you might create an assignment estimator and timer; or a grocery list for a specific store that you shop at; or, if you are a fan of board games (like me!), you might create a helper app to go along with a board game. It should be relatively simple in complexity - maybe create a simpler version of something that you would like to build later - so that you will have a working version by the end of the semester. You will meet with me around midterm to pitch your idea and establish its scope and list of features. (See rubric on page 2)

### ABOUT PET PROJECTS

Pet projects are small applications that we play with occasionally when we have time, or after we acquire new techniques, that are of personal interest to us. The secret for me is to start simple, as you are doing with this assignment, then improve parts of it when you find time. Maybe the next stage is advanced functionality, or styling, or a dynamic data source, or maybe a new technique will guide your next steps. Below are the stages of a barbecue timer that I built for myself...

#### Sean's BBQ Timer

- v1: Pick the number of minutes; a "thermometer" style GUI counts down the selected time.
- v2: Set multiple timers, with one master timer tracking total minutes.
- v3: Use navigator object to make the phone vibrate when time expires.
- v4: Create list of timer presets for commonly BBQ'd items.
- v5: Incorporate Google text-to-voice API to announce number of minutes when time expires.

When you submit this project, please indicate (in your submission text) what is next on your list of features that you would like to add to your pet project.

## Marking Rubric

Criteria	Proficient	Competent	Novice
<b>Pitch Meeting</b>	2	1	0
	In a meeting with the instructor, you identify: what you are going to build; your plan for how you will do it; how long you think it will take you; and, what information you might need that you don't already have.	Some of the project aspects are not clarified with the instructor.	No clear idea or plan is presented to the instructor.
<b>Error Free</b>	1	0.5	0
	The application loads and operate without errors in the JavaScript console.	Minor errors that do not affect the operation of the application occur.	Fatal runtime errors occur.
<b>Design</b>	2	1	0
	The purpose of the application is clear based on content and design elements.	The purpose of the application is not consistently supported by its content and design elements.	It is unclear what this application is for.
<b>Separation of Concerns</b>	1	0.5	0
	All JavaScript is in js files, all markup is in HTML files, and all styling is in CSS files.	Fewer than two instances of cross-concerns code.	More than two instances of cross-concerns code.
<b>Features</b>	2	1	0
	The application provides sufficient features to achieve its purpose at a minimum viable product level.	The application is missing minor functionality that should be there at the minimum viable product level.	The application is missing important functionality at the minimum viable product level.
<b>Popups</b>	1	0	0
	No popups are used to provide content to, or collect content from the user.	Popups are used.	Popups are used.
<b>Commenting</b>	1	0.5	0
	All files contain helpful commenting.	Most files contain helpful commenting.	Files are missing helpful comments.