Platform Selection

Platform Components

The development platform is the collection of technologies, packages, methods, tools, etc. that you will need to assemble and/or use to make your working software product.

We will use **HTML**, **CSS**, and **JavaScript** for the frontend. Because the client wants to incorporate this project into their website, we will develop completely in the frontend to create a static website.

Documentation

The process will be done in two phases: first simply produce a list of alternatives, and then make the selection. The reason for the two-step process is to assure that you are considering the broadest alternatives.

The selection documentation should include all alternatives that were studied and its pros and cons. Also include links to any online information that you used in making the decision, including reference material and reviews or commentaries. There should be a clear enough discussion of the decision that you can reconstruct the decision two months from now. This will become part of your design document.

Frontend:

Technology	Pros	Cons
React (Current Selection)	1. Team members have more experience using this 2. Components for easy reusability 3. Good for web apps that require many live updates/immediate changes	1. Since it is updating and accelerating so fast, there can sometimes be poor documentation

Vue.js	1. Concise documentation 2. Easy to learn	1. Limited resources and plugins to use 2. Language barrier (significant part of its content and discussions is in Chinese)
Angular	1. Popular and well-documented front-end framework	1. Steep learning curve 2. When pages have interactive components, it can become slow

- https://www.codeinwp.com/blog/angular-vs-vue-vs-react/
- https://www.interviewbit.com/blog/angular-vs-react/

Client Requirements

Some teams may have requirements from the client that limit, or restrict, platform component choices. In this case, your write-up will indicate that you were constrained by the client and indicate where those constraints dictated or influenced your choice(s).

Client wants the final product to be as self-contained as possible so that it can be integrated into an existing website.