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Tech Stack

The technology stack we will be using for our project “FindTune” is:

M: MongoDB/Mongoose

E: Express Framework within Node

R: React – TBD

N: Node.js

The reason we chose this stack is because it is the current industry standard and we believe it will help all of us when we transition into the workforce. Also, all of the components fit very cleanly within each other. They all have very understandable functions and guides for us to learn if we get stuck. Node especially provides many packages that we might use.

The Node.js/react components allow us to develop the front-end and back-end separately as we have different expertises. We chose React over Angular.JS because React has become much more prevalent and integrated itself into many companies’ stacks. React is very powerful in that it acts in a data-oriented way and allows you to create powerful templates to render your content.

In general, the combination of Node + Express is arguably the best for routing in a web application, especially if you’re familiar with JavaScript. For our members, it is a good transition from knowing a bit of programming, to learning JavaScript and using the very modularized components. We chose it over Django because it is simpler to keep our stack just JavaScript and not have to get familiar with another language.

We also believe MongoDB/Mongoose and using a ORD is much more efficient for our model than one like SQL. From the research we did, we believe this is very suitable for our web application. The components we use makes it very simple to create new records and cache user preferences into files rather than into a table.