

CS411 B4 Team 7 – CookMaster

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Back End:

We used **Node.js** and by doing so, we retrieve a faster and more efficient program.

Because its build is based on JavaScript, it is very useful in building real-time applications with excellent scalability. We also used **Express**, which is a Node.js framework that makes it easy to build mobile and web applications (single or multi-page) and has great functionality with APIs. When compared to another backend technology option like Django, Ruby, etc. – both Node.js and Express have a *faster development cycle and can handle a large number of concurrent requests.*

Front End:

We used **React.js**, which is a popular JavaScript library. It was developed by Facebook/Meta and extremely useful for building interactive and reusable user interfaces (UIs) and web applications (WAs) that require significantly less code than with regular JavaScript. We also use **HTML**, which is the standard language for building web pages for layout and structure. It is extremely useful as it is supported by *all* web browsers.

When compared to another backend technology option like Angular, **React.js** has a faster development cycle and is easier to learn quickly!

Database:

We used **Firebase**, which is a powerful cloud-based database useful for quick data storage and retrievals in web and mobile applications. Firebase provides real-time updates and scaling is automatic, which makes it fitting for building real-time

applications. When compared to another backend technology option like MongoDB, Firebase requires less maintenance and simpler setup as well.

Styling:

We used CSS for styling. It is the standard styling language for building web pages and, in a similar fashion as HTML, it is supported by all web browsers. CSS makes it easy to style and customize the appearance of web pages. CSS is easier to learn than other styling languages. Though it may not be the most incredibly flexible language, it is simple enough to apply quickly, but complex enough to not leave things looking completely basic.