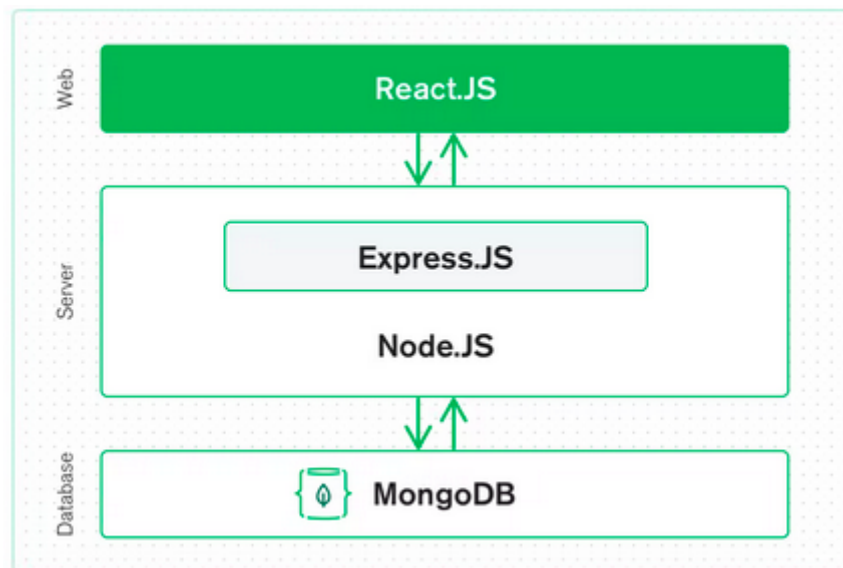


For this project, we will use the MERN stack, which stands for MongoDB, ExpressJS, ReactJS, and Node.js.



We use this stack because MERN is a full-stack solution, meaning that it includes a stack for both the back-end and front-end. Moreover, these technologies synchronize with each other well.

React.JS is for the frontend part and serves for creating dynamic pages with reusable components. React is also designed for handling errors, events, etc.

Express.JS serve for creating a server-side platform inside the Node.JS server. In meanwhile, **Node.JS** is responsible for creating a Javascript web server. Express has powerful functions that handle HTTP requests and responses. Meanwhile

MongoDB is a database system. MongoDB is perfectly suited for working with Node.JS and has great functionality with JSON data.

The stacks mentioned above, allow a natural flow of JSON from *front* to *back*. Also, it requires knowing only javascript instead of learning a bunch of different languages for each tier.

The given project involves a lot of database management and login-registering of new users. For that purpose, MongoDB suits well.

The drawback of MERN is despite the fact that MERN uses only javascript language, it involves a deep knowledge of javascript, which would require a lot of time to get to know it. Instead of using MongoDB, there is a possibility of using backend-as-a-service Firebase, which would significantly decrease the development process. Though, the choice of Database document will be fully decided later after the first prototype.