

Project Design Phase

Problem – Solution Fit Template

Project setup and configuration.

✓ Folder setup:

Now, firstly create the folders for frontend and backend to write the respective code and install the essential libraries.

- Client folders.
- Server folders

✓ Installation of required tools:

1. Open the frontend folder to install necessary tools

For frontend, we use:

- **React**
A JavaScript library for building user interfaces, especially single-page applications.
- **Bootstrap**
A CSS framework for responsive design and pre-styled UI components.
- **Material UI**
A React component library that implements Google's Material Design.
- **Axios**
A promise-based HTTP client for making API requests.
- **react-bootstrap**
A React-specific version of Bootstrap components

2. Open the backend folder to install necessary tools

For backend, we use:

- **Express Js**
JavaScript runtime that lets you run JS on the server.
- **Node JS**
A lightweight web framework built on top of Node.js.
- **MongoDB**
A NoSQL database that stores data in flexible, JSON-like documents

- **Cors**

A middleware that enables or restricts resources on a web page to be requested from another domain.

- **Bcrypt**

A library for hashing passwords.

- **Mongoose**

An ODM (Object Data Modeling) library for MongoDB and Node.js.