

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 folder: For frontend files

Server folder: For backend files

✓ 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.