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 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.