**Project Report:**

**Approach**

1. **Model Creation:**

- I started by creating the model for the project, which defines the structure of the data. This involved setting up schemas to store the relevant data for the application.

2. **Controller Development:**

- After the model, I developed the controller, which handles the logic of interacting with the model and the database. The controller is responsible for processing requests, retrieving data, and sending responses back to the client.

3. **Setting up Routes:**

- I created the routes to connect the frontend with the backend. These routes define the endpoints for different actions, such as retrieving, creating, or updating data. Each route is connected to a specific function in the controller.

4. **Testing and Debugging:**

- Once the routes and controller were set up, I tested the application by sending requests to the server to ensure everything was working as expected. I also debugged any issues that came up during testing.

**Assumptions Made:**

- I assumed the data inputs would be correct and in the expected format.

- I assumed the backend would function correctly and handle errors as needed.

**Challenges Faced:**

- One of the challenges I faced was forgetting to include the global error handler condition if (process.env.NODE\_ENV === "test") { sendErrorDev(err, req, res); } inside the global error handler. This caused the tests to fail until I added this condition, after which the tests started passing.