

HOW TO RUN THE CODE

Prerequisites

Before running the code, make sure you have the following installed on your PC:

- Node.js
- Oracle Database
- Oracle SQL Developer

Steps

In the Implementation folder, you will find the following folders:

- **Oracle:** Contains the SQL scripts to create the database and tables. different procedures and functions are also included.
- **Backend:** Contains the Node.js code for the backend.
- **Frontend:** Contains the React.js code for the frontend.

Oracle

1. Open Oracle SQL Developer and connect to your database.
2. Run the SQL scripts in the Oracle folder in the following order:
 - **DataBase_creation.sql**
 - **Types.sql**
 - **Procedures.sql**
 - **Triggers.sql**

Make sure to run each script successfully before proceeding to the next one. If any problems occur, try to run the procedures/triggers one by one.

Backend

1. Open the Backend folder in your code editor.
2. Open the terminal and run the following command to install the required packages:

```
npm install
```
3. Open the `./src/database/connection.ts` file and update the connection details with your Oracle database credentials.
4. Run the following command to start the server:

```
npm run dev
```
5. The server will start running on **http://localhost:5000**.

Frontend

1. Open the Frontend folder in your code editor.
2. Open the terminal and run the following command to install the required packages:
`npm install`
3. Run the following command to start the frontend:
`npm run dev`
4. The frontend will start running on **http://localhost:3000**.