

React and PHP Application

Description

This project is a web application built using React(v18.3.1) for the frontend, Material-UI(v5.15.20) for the UI library, and PHP(v8.3.8) for the backend. It includes a MySQL(v8.0.37) database for data storage. The application is designed to display enrolment data in a user-friendly way.

SETUP

Prerequisites

- Node.js and npm: [Download and install Node.js](#)
- PHP (for the backend): [Download and install PHP](#)
- MySQL (for the database): [Download and install MySQL](#)

Replace Tokens

1. Replace backend parameters to connect to your own database in the `database.php` file, under the folder `/backend/config/`
 - `$servername`
 - `$username`
 - `$password`
 - `$dbname`
2. Replace frontend base URL if you start the backend server in different URL. `enrolmentApi.js` file under `/frontend/src/api/`

Database Setup

1. Create a MySQL database and a user
2. Execute the provided SQL scripts or execute the scripts in MySQL Workbench to set up the database:

```
mysql -u <username> -p < database/set_db.sql
```

3. Insert the data:

```
mysql -u <username> -p course_management < database/insert_data.sql
```

Backend Setup

1. Navigate to the `backend` directory:

```
cd backend
```

2. Ensure PHP is installed and configured on your server.
3. Start the PHP server:

```
php -S localhost:8000 -t public
```

Frontend Setup

1. Navigate to the `frontend` directory:

```
cd frontend
```

2. Install the dependencies:

```
npm install
```

3. Start the development server:

```
npm start
```

Usage

1. Ensure MySQL, backend, and frontend servers are running.
2. Access the application through the frontend server URL (<http://localhost:3000>).