Deployment Instructions

Follow the steps below to set up and run the application using Docker:

1. Prerequisites

- Install **Docker** on your system.
- Make sure Git is installed

2. Clone the Repository

```
git clone https://github.com/LasithaRanathunga/course-
management-platform.git
cd <repository-folder>
```

3. Build the Docker Images

Run the following command to build the backend and frontend images:

```
docker compose build
```

4. Start the Application

Run the containers with:

```
docker compose up
```

This will:

- Start the **backend service** (Spring Boot application).
- Start the **frontend service** (React application served via Nginx).
- Start the **database service** (H2/MySQL depending on configuration).

5. Access the Application

- Frontend: http://localhost:3000

- Backend API: http://localhost:8080

- H2 Database Console (if enabled): http://localhost:8080/h2-console

  Use `jdbc:h2:file:./data/course_mgmt` as the **JDBC URL**

6. Stopping the Application

To stop all running containers:

```
docker compose down
```