**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