



Hoodo Technology

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Project 3

Learning Management System (LMS) Application

Learning Management System (LMS) waa **web application** u oggolaanaya ardayda, macallimiinta, iyo maamulka inay si fudud u maareeyaan **koorsooyin, casharro, arday, iyo horumarka waxbarasho**.

Project-kan wuxuu ku daydaa **real-world online learning platforms**, wuxuuna ka kooban yahay **Frontend (ReactJS)** iyo **Backend (Node.js + Database)**.

Features

Frontend Description (ReactJS)

◆ Frontend Overview

Frontend-ka waxaa lagu dhisay **ReactJS**, wuxuuna mas'uul ka yahay **user interface & user experience**.

◆ Frontend Features

- **Homepage**

- Liiska koorsooyinka la heli karo

- Course title, description, instructor
- **Course Details Page**
 - Faahfaahinta koorsada
 - Casharro (lessons) & modules
- **Student Dashboard**
 - Koorsooyinka uu ardaygu ku jiro
 - Progress tracking
- **Authentication**
 - Login & Register (Student / Instructor)
- **Responsive Design**
 - Ku shaqeeya mobile & desktop

Backend Description (Node.js)

◆ **Backend Overview**

Backend-ka waxaa lagu dhisay **Node.js + Express.js**, wuxuuna maareeyaa **business logic, users, iyo data storage**.

◆ **Backend Features**

- **RESTful API**
 - Users API
 - Courses API
 - Lessons API
 - Enrollments API

- **User Management**
 - Student, Instructor, Admin roles
- **Course Management**
 - Create, update, delete courses
 - Add lessons & content
- **Progress Tracking**
 - Track student progress
 - Course completion status
- **Database Integration**
 - MongoDB / MySQL

Technologies Used

Frontend

- ReactJS
- React Router
- Axios / Fetch API
- Tailwind CSS / CSS

Backend

- Node.js
- Express.js
- MongoDB / MySQL