

Overview

SkillPort is an interactive platform designed to connect learners and instructors. It allows users to enroll in courses, participate in discussions, and manage personal profiles. By fostering a community of knowledge sharing, SkillPort empowers users to enhance their skills and broaden their horizons. The platform is user-friendly, ensuring a seamless experience for both learners and instructors.

Features

- User and Instructor Roles
- Add, View, and Manage Courses
- Discussion Threads for Collaboration
- Dashboard for Learners
- Profile Management with Photo Upload
- Recommended Courses Section

Technology Stack

Frontend: React.js with Material UI

Backend: Node.js with Express.js

Database: MongoDB

Backend Features

User Authentication (JWT)
Course Management API
File Uploads for Profile Photos
Discussion and Comments API
Role-based Access Control

Frontend Features

Responsive and Interactive UI
Dynamic Content Rendering
Profile Avatar Display
Discussion Threads with Real-time Updates
Modern Material UI Design

Workflow

User Registration and Login
Browsing and Enrolling in Courses
Participating in Discussions
Managing Profiles
Instructors Viewing Learners

Challenges Faced

Implementing Role-based Access Control
Managing Profile Photo Uploads
Integrating Discussion Threads
Ensuring Responsive UI Design

Future Enhancements

Payment Integration for Paid Courses
Introduction of Subscription Model
Real-time Notifications
Advanced Analytics for Instructors
Enhanced Discussion Features
Mobile App Integration