Project ID- P7;

Project Name - E-Learning Dashboard

Project Description:

A platform where users can enroll in courses, track progress, and take quizzes.

Key Concepts Covered:

React, Redux, Forms & Validation, API Integration, Authentication

Capstone project directory structure

/FullStackApp			
— /client (React Frontend)			
/public			
/store (Redux Store)			
/services (API Calls)			
index.js			
│			
1			
Controllers			
/Models			
/Data (Database Context)			

/Middleware
│
│
Program.cs
FullStackApp.sln
1
— /database
migrations/
README.md
1
README.md
— .gitignore
— docker-compose.yml (Optional)

Project User Story Description Acceptance Criteria		Project	User Story	Description	Acceptance Criteria
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	Course Enrollment	Enroll in courses.	API for enrollment, course-user link, enroll button.
P7 - E-Learning Dashboard	Track Progress	Monitor course completion.	Store status, display progress.
	Take a Quiz	Complete course quizzes.	Store responses, display MCQs.

Evaluation Rubric for Project Assessment (85 Marks)

Criteria	Excellent (Full Marks)	Needs Improvement (Partial Marks)	Poor (No Marks)	
React Frontend (60 Marks) (Each criterion is 10 marks, 6 sub-criteria)				
UI/UX Design	Clean, responsive, and user- friendly interface	Some UI issues, minor responsiveness problems	Poor UI, broken responsiveness	
Component Reusability	Proper use of modular and reusable components	Some redundant components, minimal reusability	No reusable components, messy code	
State Management	Efficient use of React hooks, Context API, or Redux	Some issues in state handling, unnecessary rerenders	Poor state management, frequent bugs	
API Integration	API calls handled efficiently with error handling	Basic API calls but lacks proper error handling	API calls fail, no proper state update	

Routing & Navigation	Proper use of React Router, seamless navigation	Some broken links or inefficient routing	No routing implemented or broken links	
Performance Optimization	Uses memoization, lazy loading, and proper key handling	Some performance lags, missing optimizations	Poor performance, slow load times	
	.NET Cor	re Web API (15 Marks)		
		n is 5 marks, 3 sub-criteria)		
API Design & Structure	RESTful API with proper naming conventions, modular structure	Some inconsistent API routes, minor structural issues	Poorly designed API, inconsistent endpoints	
Business Logic & Validation	Properly implemented business logic with input validation	Some missing validation checks, minor logical flaws	Major logical errors, missing validation	
Security & Error Handling	Implements authentication, authorization, and error handling	Some security flaws, minimal error handling	No security, major vulnerabilities	
	Dat	abase (10 Marks)		
(Each criterion is 5 marks, 2 sub-criteria)				
Schema Design	Well-structured, normalized database schema	Some redundant data, minor normalization issues	Poor schema design, redundant data	
Query Performance	Optimized queries, proper indexing	Some unoptimized queries, minor performance issues	Poor query optimization, slow execution	

VIVA Evaluation Rubric (15 Marks)

Criteria	Excellent (Full Marks)	Needs Improvement (Partial Marks)	Poor (No Marks)	
Documentation, Viva, Presentation, Report (15Marks)				
Project Report & Documentation	Well-written documentation with clear API references	Incomplete documentation, missing some details	No documentation, poorly written	
Viva & Presentation	Clear understanding of project, good presentation skills	Some difficulty explaining concepts	Poor explanation, lacks clarity	