### **QuickLearn LMS – Minimal Dev Requirements (3–4 Days)**

#### **🧠 Project Goal:**

A simple Learning Management System with **3 roles** (Admin, Teacher, Student) that handles **basic user, course, assignment, and quiz** functionality.

### **✅ Tech Stack (Finalized):**

* **Backend:** ASP.NET Core MVC (.NET 6/8)
* **Frontend:** Razor Pages + Bootstrap 5 (basic UI)
* **Database:** SQL Server (using EF Core)
* **IDE:** Visual Studio 2022
* **Version Control:** GitHub

### **👤 User Roles & Core Functionalities:**

#### **🔹 Admin**

* Login
* Add Teachers and Students
* Add Courses
* Assign Teachers to Courses

#### **🔹 Teacher**

* Login
* View Assigned Courses
* Upload Lecture Material (PDF/doc only)
* Upload Assignments
* Create Simple Quizzes (MCQs only)

#### **🔹 Student**

* Login
* View Enrolled Courses
* Download Material
* Submit Assignment
* Attempt Quiz
* View Quiz Score (basic only)

### **🎨 Frontend (UI)**

* Use Bootstrap for styling
* Razor Views for rendering
* 1 dashboard per role (basic layout, card/grid is okay)
* No advanced charts or file viewers — just lists & download/upload

### **🧩 Database Models:**

* Users (UserID, Name, Email, Password, Role)
* Courses (CourseID, Title, TeacherID)
* Enrollments (EnrollmentID, StudentID, CourseID)
* Materials (MaterialID, CourseID, FilePath)
* Assignments (AssignmentID, CourseID, Title, Deadline)
* Submissions (SubmissionID, AssignmentID, StudentID, FilePath)
* Quizzes (QuizID, CourseID, Title)
* QuizResults (ResultID, QuizID, StudentID, Score)

### **⏱ Timeline**

You can finish this in **3–4 days** if:

* Backend & DB are set up first (1–1.5 days)
* UI views made simple & reused (1.5–2 days)
* Testing + bug fixing (last day)