

# Manhaj Project Documentation

## Project Idea

Manhaj is a comprehensive educational platform designed specifically for students in Egypt's secondary education stages (Grades 1, 2, and 3 of high school). The platform aims to modernize and simplify the learning experience by providing structured digital content, interactive tools, and a seamless environment for both teachers and students. Through Manhaj, students can access high-quality lessons, lectures, quizzes, and assignments, while teachers can efficiently manage classes, monitor student performance, and deliver personalized feedback.

As an online learning management system, Manhaj enhances accessibility, supports independent learning, and contributes to improving educational outcomes across the Egyptian secondary school system.

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## 1. Project Planning

### 1.1. Project Overview

**Mnhaj** is a Learning Management System (LMS) designed to facilitate online education. It connects teachers with students, enabling:

- Course creation and management
- Content delivery (lectures, materials)
- Assessment tools (quizzes, assignments)
- Progress tracking and analytics

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### 1.2. Development Phases

#### Phase 1: Inception & Requirements Gathering

- **Goal:** Define core features and user roles
- **Deliverables:** Requirement Specification, User Stories

#### Phase 2: System Design

- **Goal:** Architect the database, API, and UI
- **Deliverables:** ERD, Relational Model, UI Wireframes

#### Phase 3: Core Implementation (MVP)

- **Goal:** Build essential system features
- **Key Features:**

- User Authentication (Admin, Teacher, Student)
- Course CRUD operations
- Lecture & Material upload
- Student Enrollment

#### **Phase 4: Assessment & Interactive Features**

- **Goal:** Implement testing and feedback tools
- **Key Features:**
  - Quiz Engine (Creation, Taking, Grading)
  - Assignment Submission & Grading
  - Course Ratings

#### **Phase 5: Administration & Analytics**

- **Goal:** Provide oversight, insights, and operational controls
  - **Key Features:**
    - Admin Dashboard
    - Teacher Approval Workflow
    - Student Progress Tracking
    - Financial/Payment Status Management
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### **1.3. Technology Stack**

- **Backend:** ASP.NET Core (C#)
  - **Database:** SQL Server (Entity Framework Core)
  - **Frontend:** Razor Views (HTML, CSS, JavaScript)
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## **2. Stakeholder Analysis**

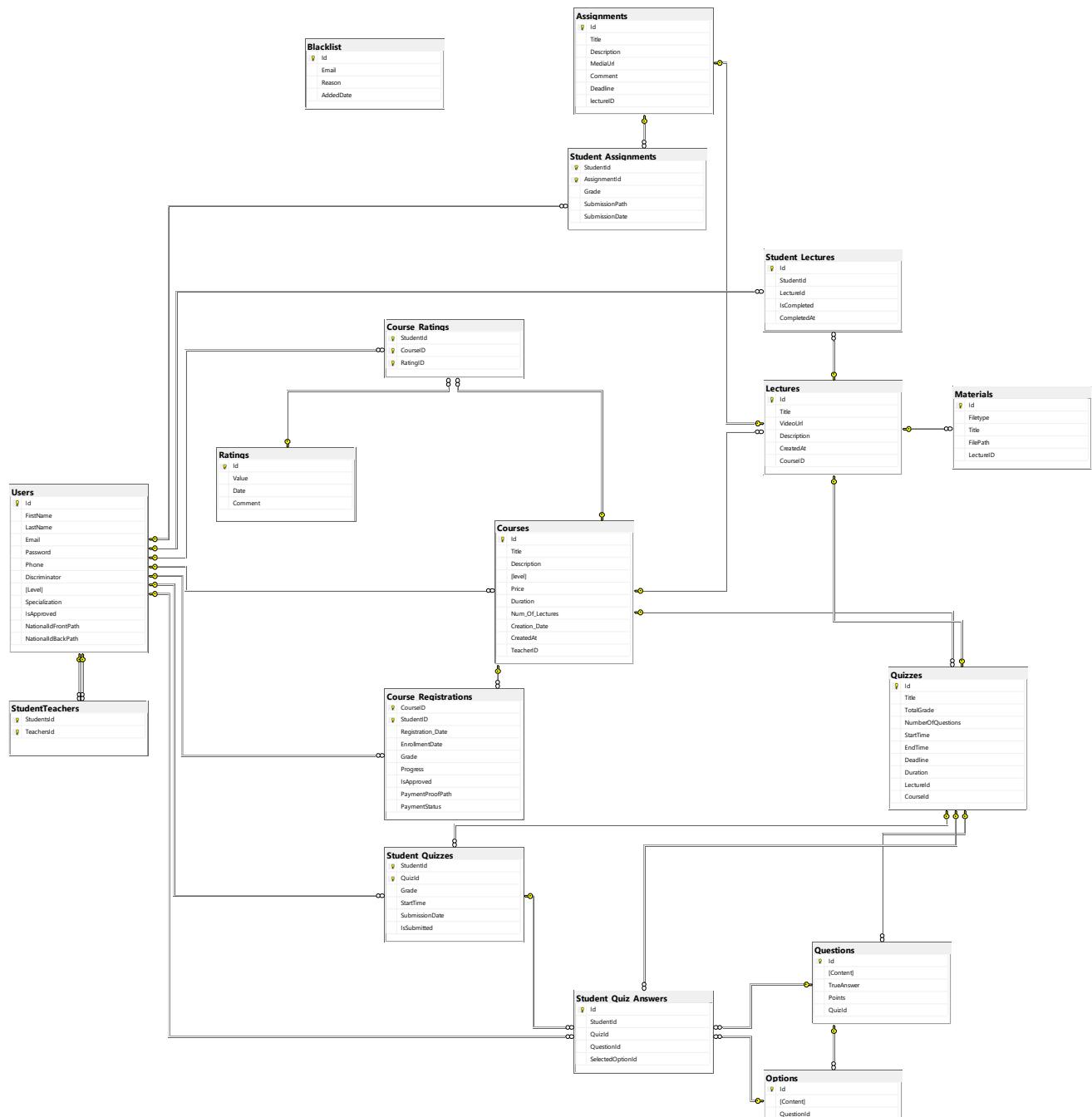
### **2.1. Primary Stakeholders**

Stakeholder	Role	Description	Key Interests
<b>Admin</b>	System Administrator	Manages platform users and oversees system operations	- System stability & security- User management- Course approval & content moderation- Financial oversight
<b>Teacher</b>	Content Creator / Instructor	Creates courses and interacts with students	- Easy course creation- Student engagement- Fair compensation visibility- Intellectual property protection
<b>Student</b>	Learner / End User	Accesses learning materials, quizzes, and progress tracking	- Quality content- Intuitive interface- Progress tracking & grades- Value for money

## 2.2. Secondary Stakeholders

Stakeholder	Role	Description	Key Interests
Platform Owners	Business Owners	Oversee business and growth strategy	- User growth & retention- Revenue generation- Brand reputation
Developers	Technical Team	Build and maintain application	- Code maintainability- Scalability- Managing technical debt

## 3. Data Base Design



## 4. Wire Frames

To move canvas, hold [Scroll wheel] or [Space] while dragging, or use the hand tool

The wireframe consists of three main components:

- Top Screen (Login):** Contains fields for "Email" (ايميل) and "Password" (باسورد), a "Forgot your password?" link, and a "Sign In" button (سجل الدخول). It also includes Arabic text "من نحن نواصل معاً" (We continue together) and "تسجيل الدخول" (Login). A "Logout" icon (خروج) is in the top right.
- Middle Screen (Registration):** Contains fields for "Name" (الاسم), "Email" (الإيميل), "Password" (الباسورد), "Confirm Password" (اعد ادخال الباسورد), "Branch" (المرحلة), "Major" (الكلية), "User Type" (نوع المستخدم), and "Phone Number" (رقم الهاتف). It has a "Register" button (التسجيل).
- Bottom Screen (Profile):** Shows a list of four items: "Exams" (الامتحانات), "Lectures" (المحاضرات), "Grades" (الدورات), and "Recent Activities" (آخر النشاطات). Below this is a section for "Grade Summary" (نقطة عامة) with four boxes, and a "Current Grades" (الدورات الحالية) section with four boxes. At the bottom are buttons for "All Grades" (كل الدورات), "User Name" (اسم المستخدم), and "Logout" (تسجيل الخروج). The "Logout" icon is also present in the top right corner of this screen.

This wireframe shows a detailed view of the "Grade Summary" section from the previous screen:

- Header:** "Grade Summary" (نقطة عامة) with a pencil icon.
- Content:** Four rectangular boxes, each containing a grade value (e.g., 90, 85, 78, 92).
- Bottom Buttons:** "All Grades" (كل الدورات), "User Name" (اسم المستخدم), and "Logout" (تسجيل الخروج).

## 5. Team Members

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