



# Quizgoroo

## Online Exam & Learning Management System

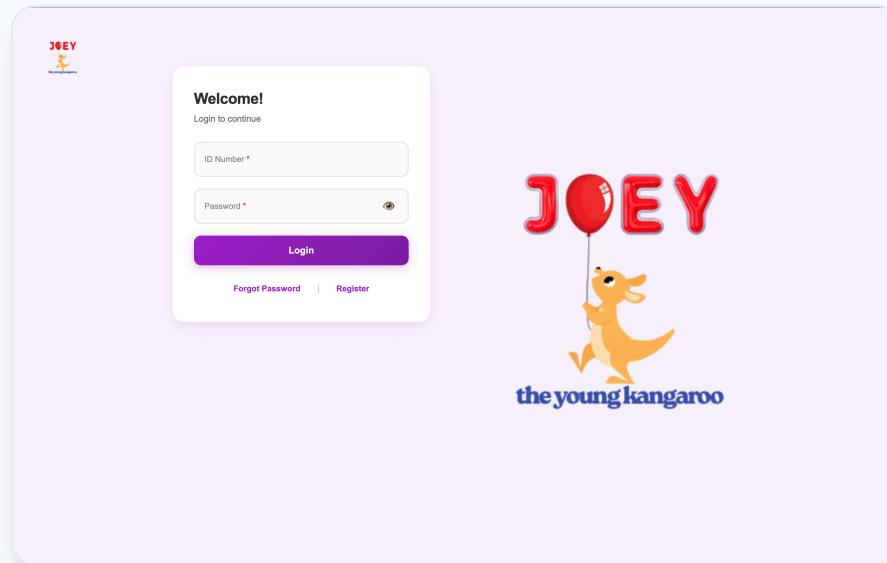
Digital Transformation in Education

Online Exams

LMS

Analytics

Multi-language



# System Overview

3

## User Roles

Admin, Teacher, Student

12

## Question Types

Interactive & Visual

23

## API Endpoints

RESTful Services

2

## Languages

Turkish & English

# User Roles & Permissions



## Administrator

- Full system control
- User management (CRUD)
- Exam & question management
- Course & LMS management
- School management
- System analytics
- All reports access



## Teacher

- Create & manage exams
- Create & manage courses
- Grade assignments
- View student progress
- Student reports

# Student Flow - Taking an Exam

1

## Dashboard

View assigned exams



2

## Exam Shop

Purchase an exam



3

## My Exams

Select an exam



4

## Exam Detail

View info & start



5

# Question Types

12 Different Question Types for Diverse Assessment

## Classic

Multiple Choice

Multiple Select

True / False

Fill in the Blank

Open-Ended

## Interactive

Matching

Ordering

Grouping

Drag & Drop

## Visual & Pattern

Shape Pattern

Number Sequence

PDF Exam

The screenshot shows the 'Question Management' section of a software interface. It includes a sidebar with user information (JOEY) and navigation links (Dashboard, Schools, Users, Exams). The main area has a search bar and filters for Course, Type, Difficulty, Grade, and Status. Below are four cards: 'Total Questions' (19), 'Active' (19), 'On Hold' (0), and 'Inactive' (0). To the right, there are four detailed views of question types:

- Multiple Choice:** Shows a question text with various symbols (B, I, U, S, X, V, T, A, =, (, )). Below it is a 'Fill in the Blank' section.
- Ordering:** Shows a question text with numbered items (1, 2, 3, 4, 5, 6, 7, 8, 9, 10) and a 'Sequence' dropdown menu.
- Grouping:** Shows a question text with numbered items (1, 2, 3, 4, 5, 6, 7, 8, 9, 10) and a 'Grouping' dropdown menu.
- Drag & Drop:** Shows a question text with numbered items (1, 2, 3, 4, 5, 6, 7, 8, 9, 10) and a 'Sequence' dropdown menu.

# Exam Management

Comprehensive Tools for Admin & Teachers

## Create Exams

- Name, description, cover image
- Difficulty level settings
- Time limits (per exam/question)
- Passing score configuration
- Schedule start/end dates

## Question Pool

- Centralized question bank
- Filter by topic/grade
- Bulk add questions
- Question reordering
- Question statistics

## Statistics

- Exam attempt tracking
- Average scores
- Completion rates
- Per-question analysis
- Student performance

## Operations

- Status management (Draft/Active)
- Clone existing exams
- Assign to students/schools
- Export results
- Manual evaluation

# LMS - Course Management

Complete Learning Management System



## Course Creation

Create courses with cover images, descriptions, and categorization. Assign teachers and set education modes (Remote/In-Person/Hybrid).



## Content Sections

Organize courses into sections and sub-sections. Drag-and-drop reordering for flexible content structure.



## Resources

Upload videos, documents, and links. Track viewing progress and completion status per student.



## Enrollments

Individual or bulk enrollment. Track enrollment status and manage student access to courses.

**LMS Dashboard**

JOEY  
Sathun Işkiver

Dashboard Schools Users Exams Questions Courses LMS

**Total Courses: 26** **Total Enrollments: 17** **Completion Rate: %31**

**Recent Enrollments**

Student	Course	Date
William Lee	Algebra & Functions	02.02.2026
William Lee	Algebra & Functions	01.02.2026
Oliver Martin	Algebra & Functions	31.01.2026
Sophie Brown	Physics Mechanics	29.01.2026
Sophie Brown	Chemistry Fundamentals	28.01.2026

**Popular Courses**

Course	Enrollment	Completion
Geometry & Trigonometry	4	35%
Physics Mechanics	4	35%
Chemistry Fundamentals	4	35%
Algebra & Functions	3	35%
Biology: Cell & Genetics	3	45%

**Enrollment Trend (last 30 Days)**

**Quick Actions**

- + Create New Course
- Bulk Enrollment
- Publish Announcement
- Reports

**LMS Course Management**

JOEY  
Sathun Işkiver

Dashboard Schools Users Exams Questions Courses LMS

**Total Courses: 26** **Active Courses: 5** **Total Enrollments: 17**

**Status:** All **Course Type:** All **Search:** Search by course name or tag...

ID	Image	Course Name	Instructor	Type	Section	Enrollment	Status	Actions
1		Algebra & Functions	Robert Anderson	Remote	1	1	Active	
2		Geometry & Trigonometry	Robert Anderson	Remote	1	1	Active	
3		Physics Mechanics	Jennifer Williams	Remote	1	1	Active	
4		Chemistry Fundamentals	David Thompson	Remote	1	1	Active	
5		Biology: Cell & Genetics	David Thompson	Remote	1	1	Active	

# LMS - Assignments & Announcements

## Assignments

- ✓ Create assignments with deadlines
- ✓ Accept file or text submissions
- ✓ Grade submissions with feedback
- ✓ Track submission status
- ✓ Late submission handling

## Announcements

- ✓ Create course announcements
- ✓ Schedule publication dates
- ✓ Rich text content support
- ✓ Draft/Published status

## Surveys

- ✓ Create course surveys
- ✓ Multiple question types
- ✓ Collect student feedback
- ✓ View response analytics

# Analytics & Reporting

Data-Driven Insights for Better Education

## Student Performance

- Total exams taken
- Correct/Wrong/Empty answers
- Average response time
- Topic-wise performance
- Progress over time

## Course Analytics

- Enrollment statistics
- Completion rates
- Content consumption
- Assignment grades
- Daily active users

## Progress Distribution

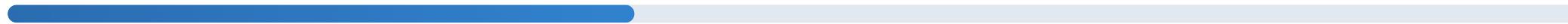
Not Started (0%)



In Progress (1-75%)



Completed (100%)



## Export Options

- Export to CSV
- Export to PDF

# Security & Authentication

Enterprise-Grade Security Features



## JWT Authentication

Token-based authentication with 2-hour expiration. Secure API access for all endpoints.



## Role-Based Access (RBAC)

Three-tier permission system. Each role has specific access rights and restrictions.



## Secure Cookies

HttpOnly, Secure, and SameSite=Strict cookies. Protection against XSS and CSRF attacks.

# Technology Stack

Modern, Scalable Architecture

## Backend

.NET Core 9.0

ASP.NET MVC

Web API

Entity Framework

## Database

PostgreSQL

Npgsql

Code-First

## Frontend

Razor Views

JavaScript

DataTables

CKEditor 5

## API & Docs

OpenAPI

Scalar UI

RESTful

Client (Browser)



Quizaqroo MVC App



Quizaqroo Web API



PostgreSQL Database

✓ Complete Online Exam Solution

✓ Integrated Learning Management

✓ 12 Interactive Question Types

✓ Comprehensive Analytics

✓ Multi-language Support

✓ Enterprise Security

✓ Modern Tech Stack

✓ Scalable Architecture

## Ready to Transform Your Education?

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