

Admin User Manual

AI-ducation

2025

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1.0 General Information

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1.1 System Overview

AI-ducation is a web app which can be accessed through laptop, tablet and mobile. It applies AI algorithms to analyze students' reading behaviors, detect comprehension gaps and recommend targeted reading content. Teachers can monitor student progress from one central dashboard while students enjoy interactive reading activities and gamified rewards.

The platform is built to scale, secure data and access points for individual else institutional development at the same time.

1.2 Project References

The following references were used in the preparation of this document:

1. *AI-ducation: An AI Learning Platform Focused on Reading Comprehension* – Final Research Proposal, 2025.

1.3 Authorized User Permission

AI-ducation is intended for authorized use only by registered students, teachers, and parents. Unauthorized use, duplication, or distribution of the platform, its data, software, reports, or documentation is strictly prohibited.

1.4 Points of Contact

For technical assistance or inquiries, contact:

- Jerome Carag
San Beda College Alabang
Email: jeromeccarag@gmail.com
Number: 09454769624
- Drei Navato
San Beda College Alabang
Email: dreinavato@gmail.com
Number: 09173724687

1.5 Acronyms and Abbreviations

AI - Artificial Intelligence

NLP - Natural Language Processing

GUI - Graphical User Interface

ID - Identification

2.0 System Summary

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2.1 Hardware and Software Specifications

A. Server/Hosting Requirements

To ensure smooth performance of AI-ducation, the following server specifications are recommended:

- VPS/Cloud Server Configuration:
 - 4 virtual CPUs
 - 4–8 GB RAM
 - 80 GB SSD Storage
 - Ubuntu LTS or equivalent open-source operating system
- Hosting Options: AWS (EC2, RDS, S3 + CloudFront) or Google Cloud SQL
- Backup & Security: Automated backup and AES encryption for stored data

B. End-User Requirements

Students, teachers, and administrators must have access to devices and connectivity that meet at least the following specifications:

- Laptops/Desktops:
 - Minimum: Intel i5 processor, 8 GB RAM, SSD storage
 - Recommended: i7 processor for faster performance
- Mobile Devices:
 - iPhone 13 or higher
 - Android devices with Snapdragon 7 series or higher, 8 GB RAM, and 128 GB storage
- Operating Systems: Windows 10/11, macOS, Android 12+, iOS 15+
- Browsers Supported: Google Chrome, Mozilla Firefox, Safari, Microsoft Edge (latest versions)
- Internet Connection: Stable broadband, minimum 5 Mbps (higher speed recommended for real-time features like assessments and analytics)

2.2 User Access Levels

AI-ducation has three main user roles, each with different access privileges:

- Student: Can log in, take quizzes, join group exams, and track their progress.
- Teacher: Can create quizzes, launch group exams, monitor participation, and check student records.
- Parent: Can manage their child's account, create student profiles, and view exam history.

2.3 Contingencies

To ensure the privacy of your data and the system reliability, the following procedures are in place:

Data Security: The database securely stores all user information and exam results to avoid unauthorized access.

Technical Concerns: If you counter any bugs or access concerns, please inform the developers via the Points of Contact provided in Section 1.4.

3.0 Getting Started

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3.1 Logging In

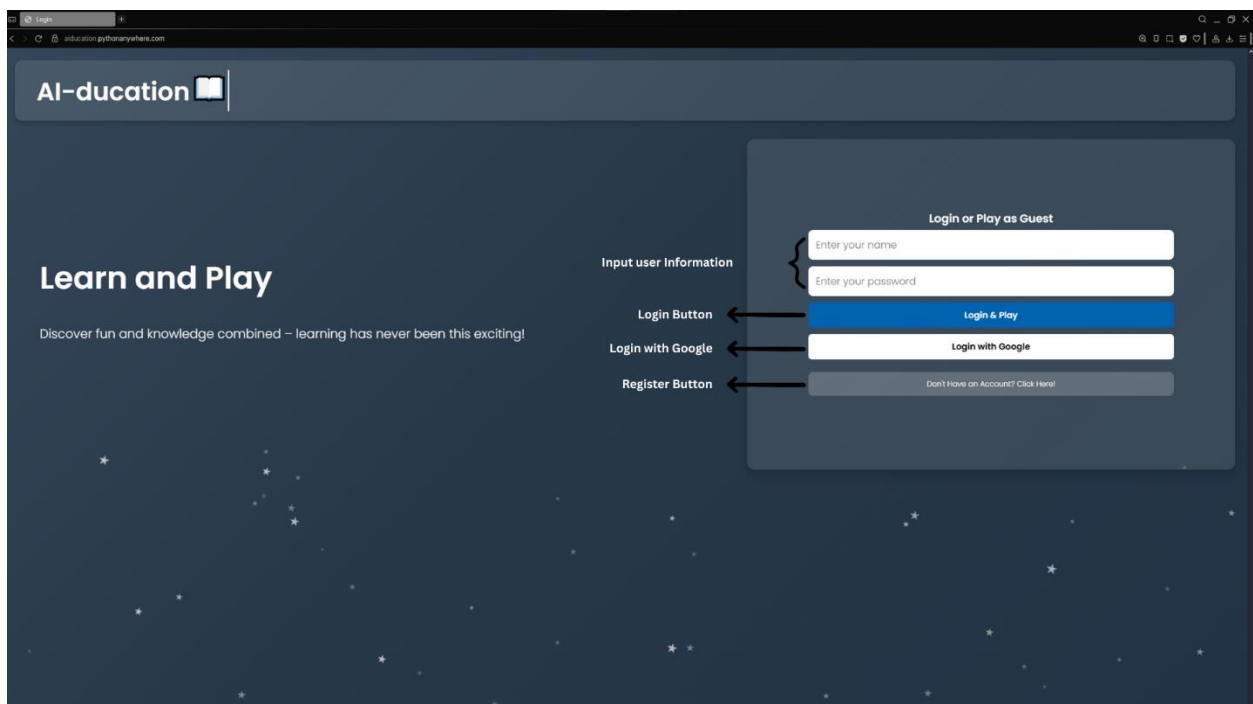
Login page

- This serves as the primary entry point for students, teachers, and parents to securely access AI-ducation. It verifies user credentials to ensure only authorized users can enter the system.

Button & Links

- Login (Button) – Authenticates user credentials (username and password) and grants access to the platform.
- Login with Google (Button) – Allows users to quickly sign in using their Google account credentials.
- Register (Link) – Redirects new users to the Registration Page to create a new account.

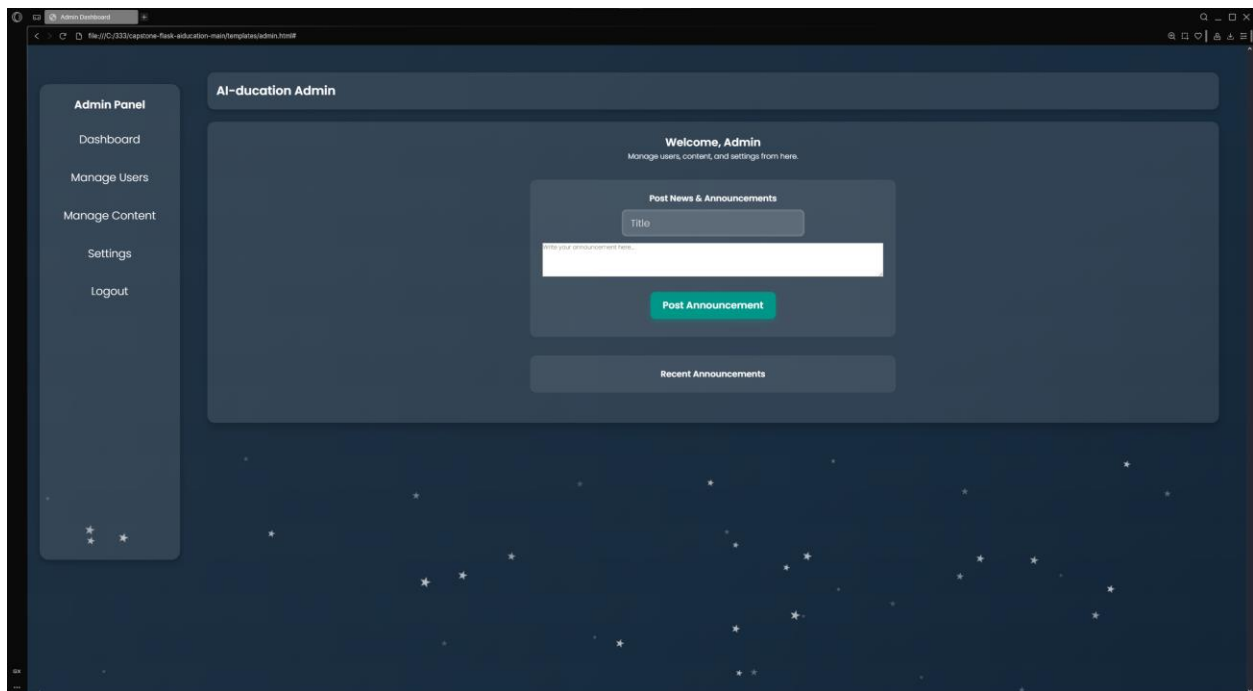
Figure 3.1: Login Page



3.2 System Menu

After logging in, the admin is directed to the Main Admin Dashboard, which serves as the control panel for managing users and content.

Figure 3.2: Admin Dashboard



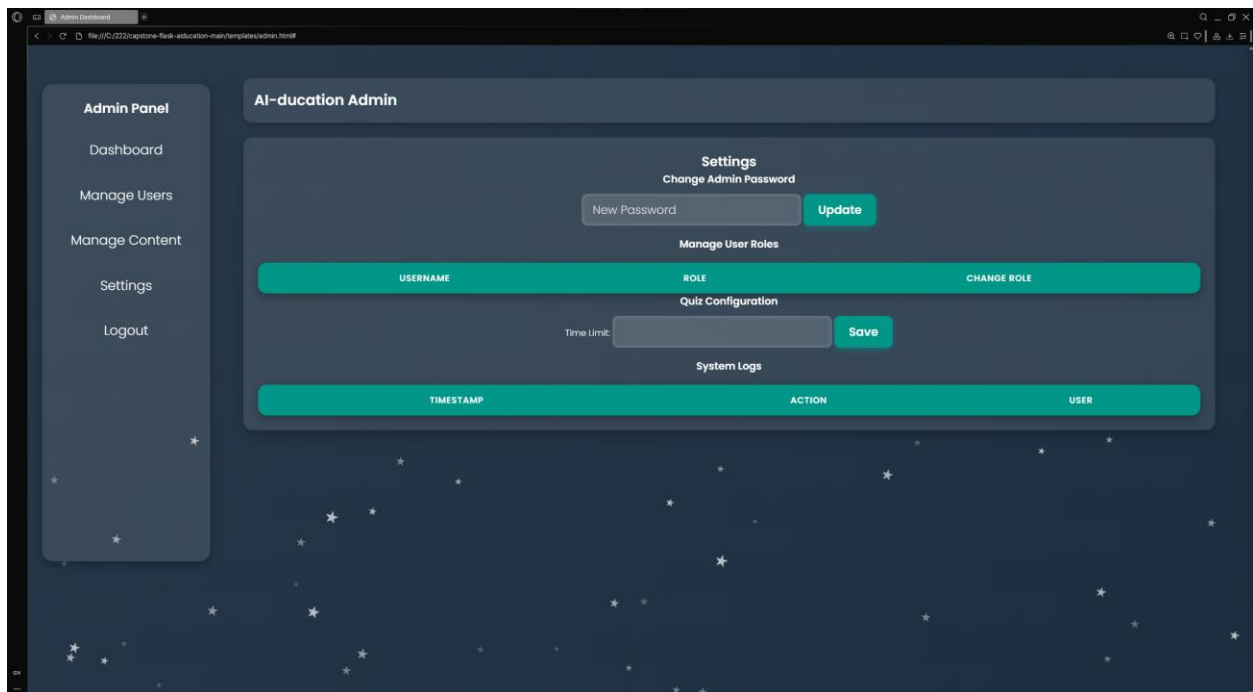
3.3 Changing Password

The admin can only update the account password since the username is unique and cannot be changed.

To change the password:

1. Go to Settings on the Admin Homepage.
2. Type in the new password.
3. Click Update to save the changes.

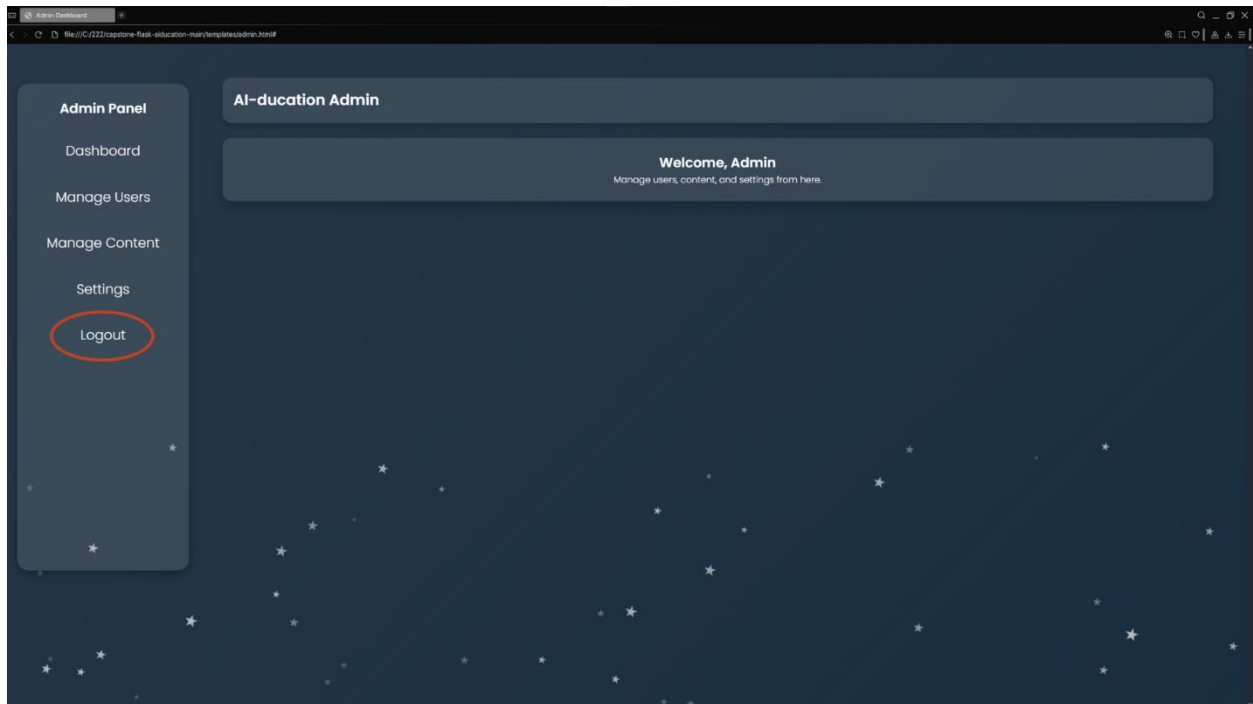
Figure 3.3: Admin Settings – Changing Password



3.4 Exit System

To exit the system, the admin can click the logout button at the bottom of the admin panel. This will end the session and return the user to the login page.

Figure 3.4: Admin Logout Button



4.0 Using the System

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4.1 Admin Dashboard

After logging in, the admin is directed to the Admin Homepage, which serves as the main dashboard. From here, the admin can manage users, content, and system settings.

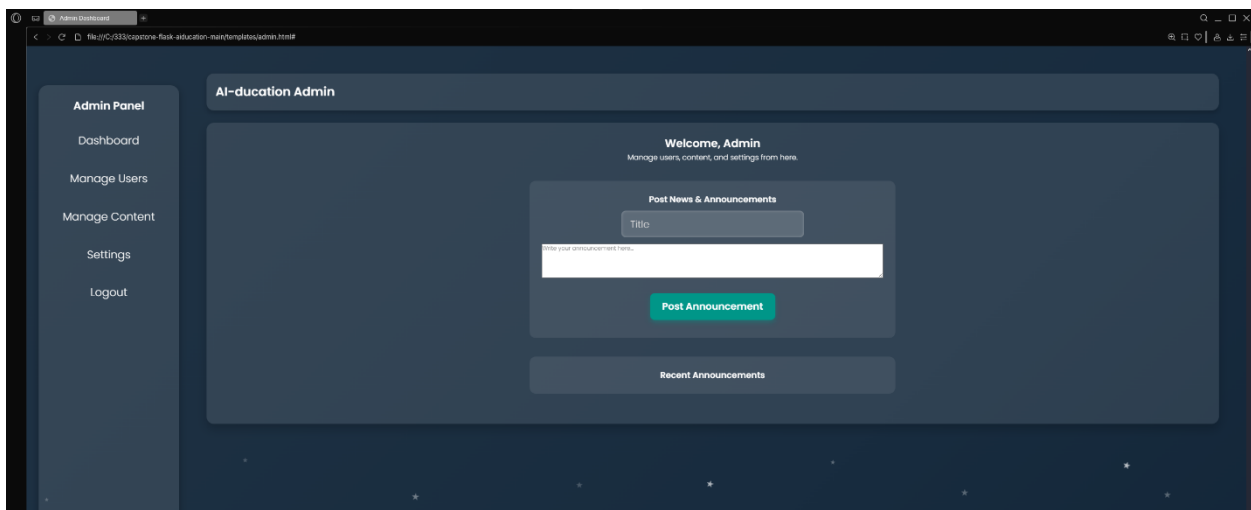
Buttons & Links (Sidebar)

- Dashboard – Redirects the admin to the main dashboard.
- Manage Users – Access to add, edit, or deactivate users.
- Manage Content – Upload or update reading materials, quizzes, and resources.
- Settings – Configure system-wide account settings such as username, email, or password.
- Logout – Exit the Admin account securely.

Main Section

- Admins can post news and announcements for updates, reminders, or important notices. These will then appear in the Recent Announcements list for all users to see. Shows a Recent Announcements list, which displays the announcements that have already been posted for reference.

Figure 4.1: Admin Dashboard



4.2 Manage Users

Admins can add new users and view the list of existing users.

To Add a User:

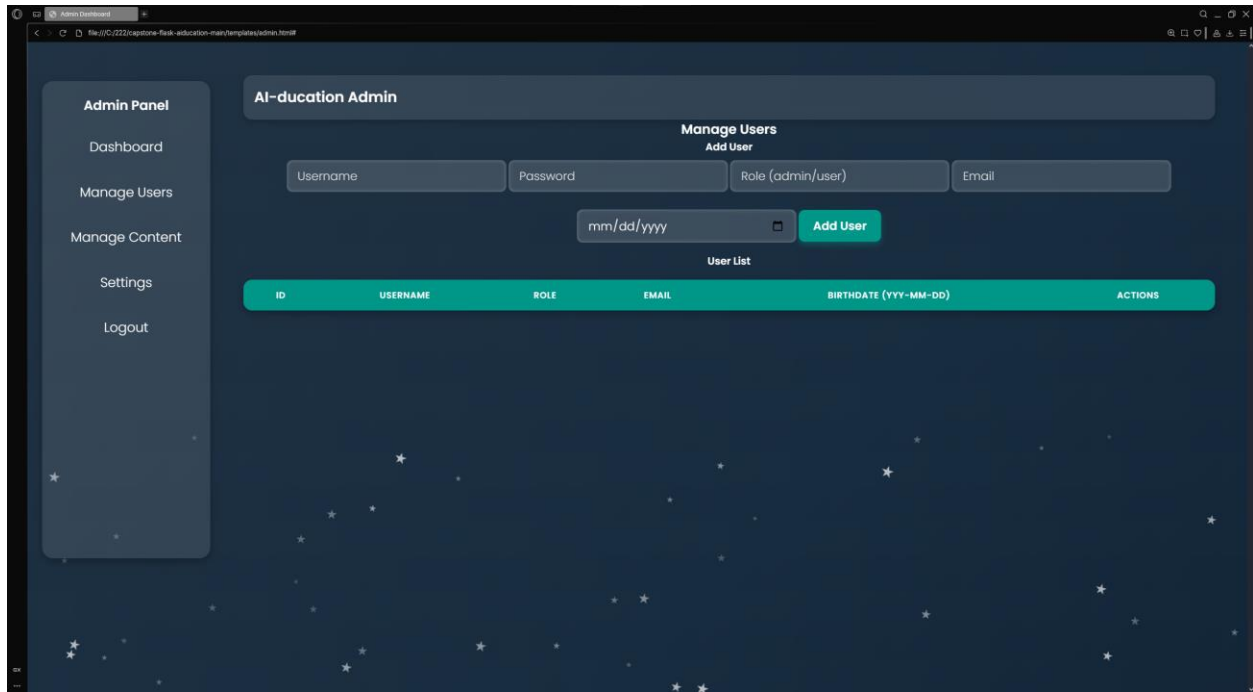
1. Click Manage Users from the Admin Panel.
2. Click Add User.
3. Enter the required details:
 - Username
 - Password
 - Role (Admin / User)
 - Email
 - Birthdate (YYYY-MM-DD)
4. Click Save to create the user.

User List:

Below the Add Users, the User List displays all existing users with the following columns:

- ID – Unique user identifier
- Username – Name of the user
- Role – Admin, Student, Teacher, Parent
- Email – Registered email address
- Birthdate – Date of birth (YYYY-MM-DD)
- Actions – Option to delete or edit users

Figure 4.2: Manage User



4.3 Manage Content

Admins can manage the platform's quiz questions and content uploaded by users.

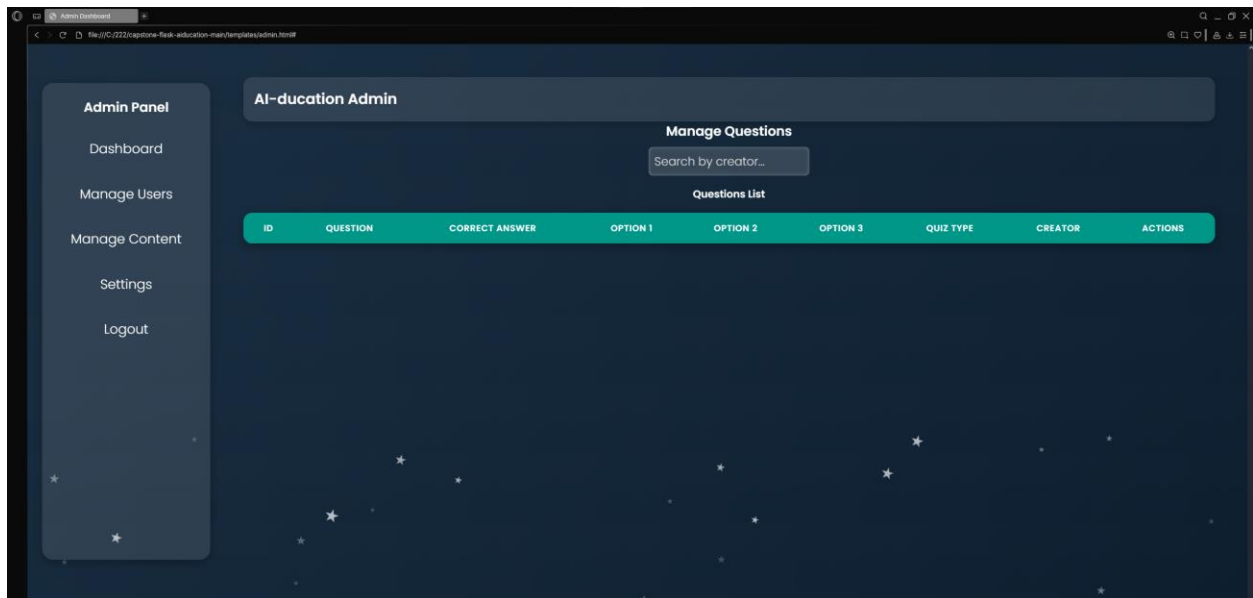
Manage Questions

This section allows the admin to view, search, and organize quiz questions.

Features and Fields:

- Search bar – Enter the name of the user who created the questions to filter results.
- Questions List: Displays all questions with the following columns:
 - ID – Unique identifier for the question
 - Question – Text of the question
 - Correct Answer – The correct option for the question
 - Option 1 / Option 2 / Option 3 – Other answer choices
 - Quiz Type – Type of quiz the question belongs to:
 - Group Exam
 - Individual
 - Practice Quiz
 - Creator – User who created the question
 - Actions – Options to Delete or Edit the question

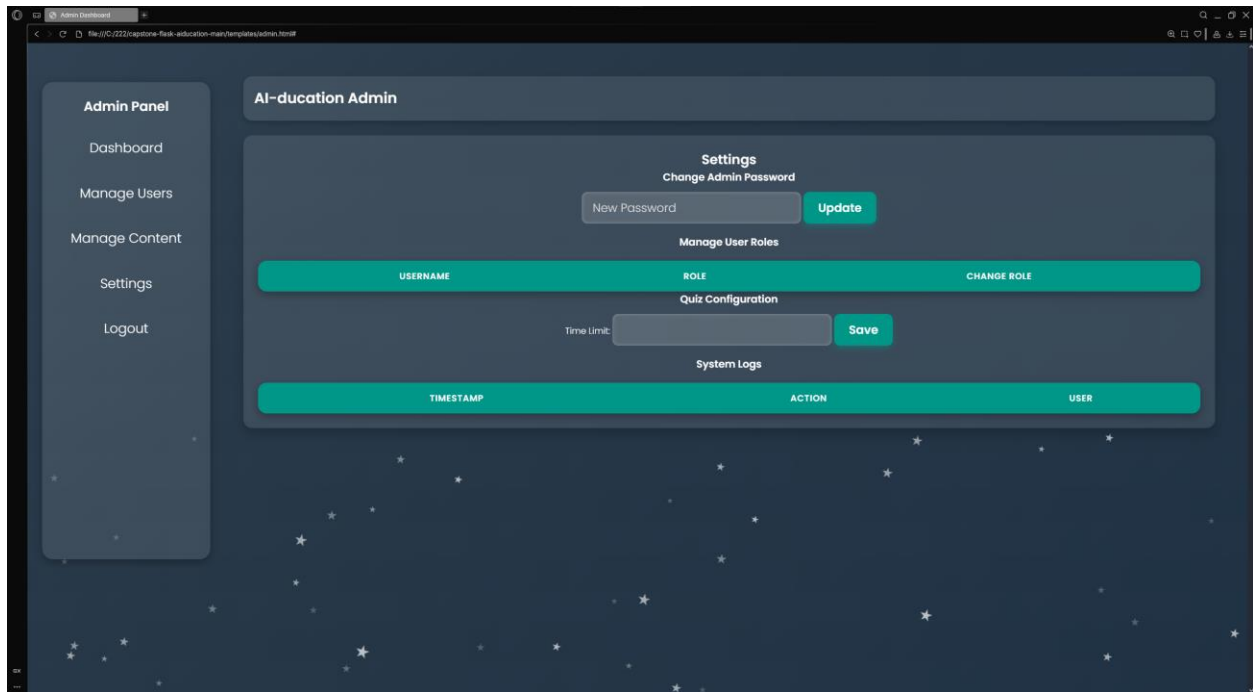
Figure 4.3: Manage Content



4.4 Settings

Admins can configure user roles, quiz settings, and view system logs.

Figure 4.4: Settings (Manage User Roles, Quiz Configuration, and System Logs)



4.4.1 Manage User Roles

Username – Name of the user

Role – Current role of the user (Student / Parent / Teacher / Admin)

Change Role – Select a new role (Student / Parent / Teacher / Admin) and update it.

4.4.2 Quiz Configuration

Time Limit: Enter the maximum allowed time (in minutes) for quizzes

Save: Click to apply and save changes

4.4.3 System Logs

Timestamp – Date and time of the action

Action – Description of the activity (e.g., “User added,” “Role Changed”)

User – Account that performed the action