E-Business Project

Instructor: Dr. Hala Nazmy

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Simple Exam Web App Documentation

Team Members

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Project Overview

The Simple Exam Web App is a minimal yet functional web application for taking and managing online exams. It supports user registration, login, exam participation, and an admin dashboard for managing questions and viewing results. The app uses localStorage for data persistence and is built with vanilla HTML, CSS, and JavaScript.
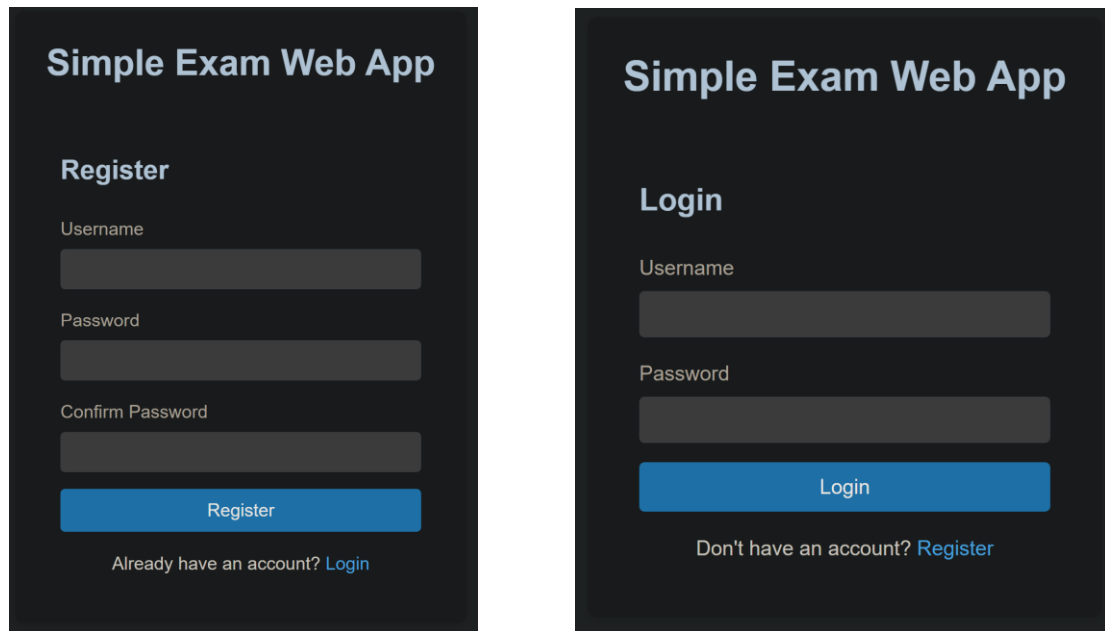
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1. Login & Registration

Description:

Users can register for a new account or log in with existing credentials. Admins have a special login to access the dashboard.
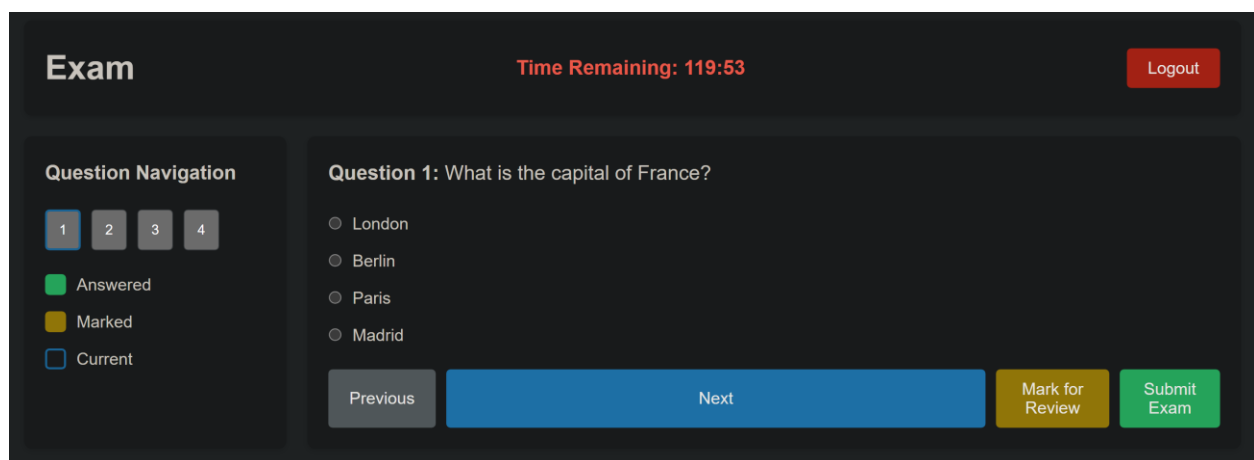

2. Exam Interface

Description:

After logging in, users can take the exam. The interface displays one question at a time, allows navigation, marking questions for review, and shows a countdown timer.
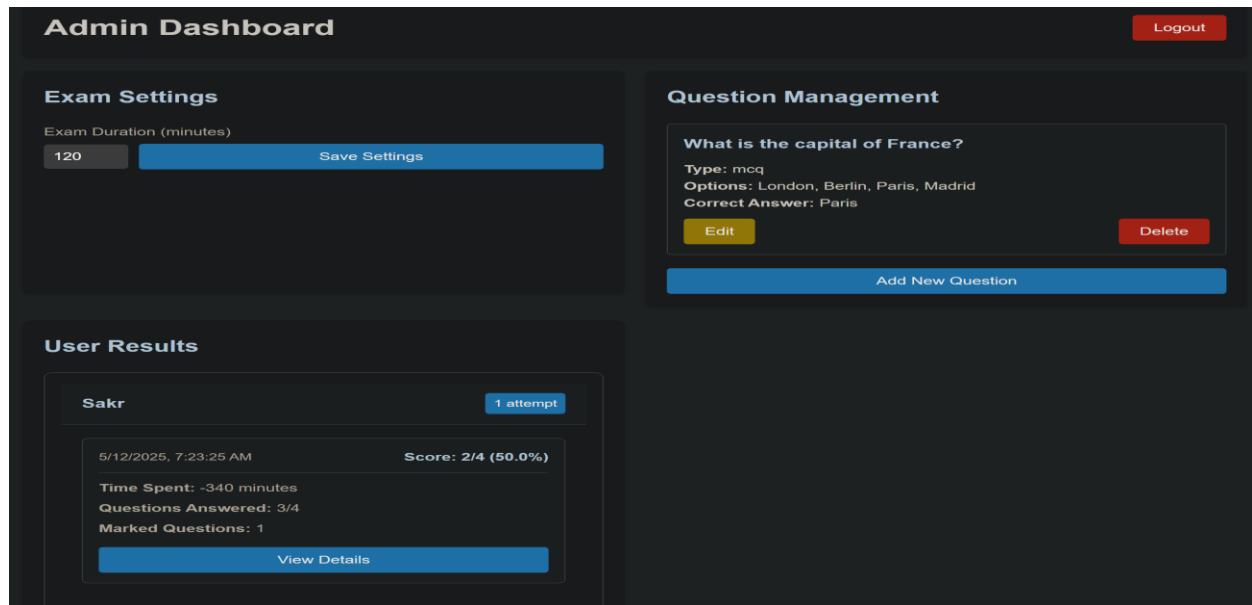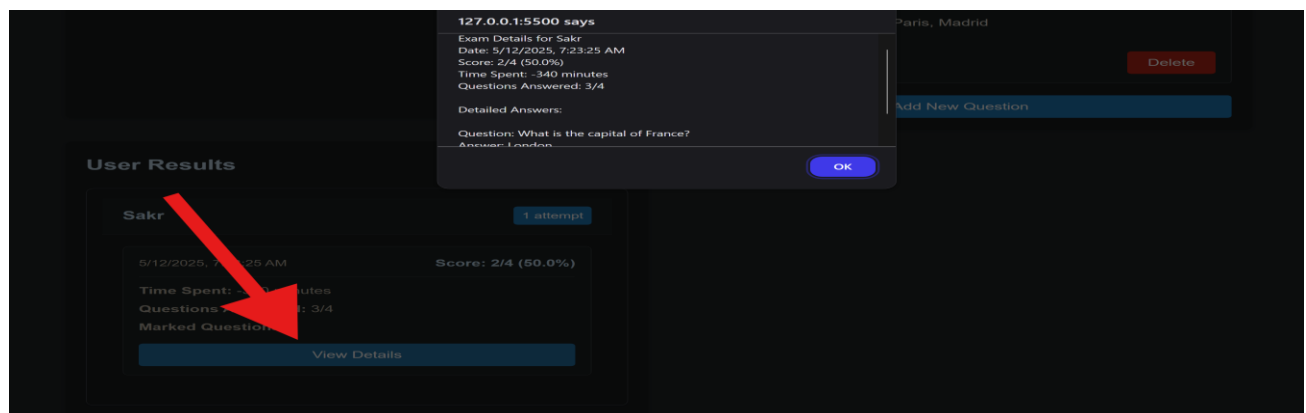
3. Admin Dashboard

Description:

Admins can add, edit, or delete questions, set exam duration, and view user results. The dashboard provides a clear overview of all exam data.

4. Results & User Management

Description:

Admins can view detailed results for each user, including scores, time spent, and answers to each question.

5. Technical Details

- **Frontend:** HTML, CSS, JavaScript

- **Data Storage:** Browser localStorage

- **Pages:**

  - *index.html* – Login/Registration

  - *exam.html* – Exam interface

  - *admin.html* – Admin dashboard

- **JavaScript Modules:**

  - *auth.js* – Authentication logic

  - *exam.js* – Exam logic

  - *admin.js* – Admin panel logic

  - *storage.js* – LocalStorage helper functions