

# E-Business Project

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Academic Year: 2024/2025 (Second Term)

# 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.

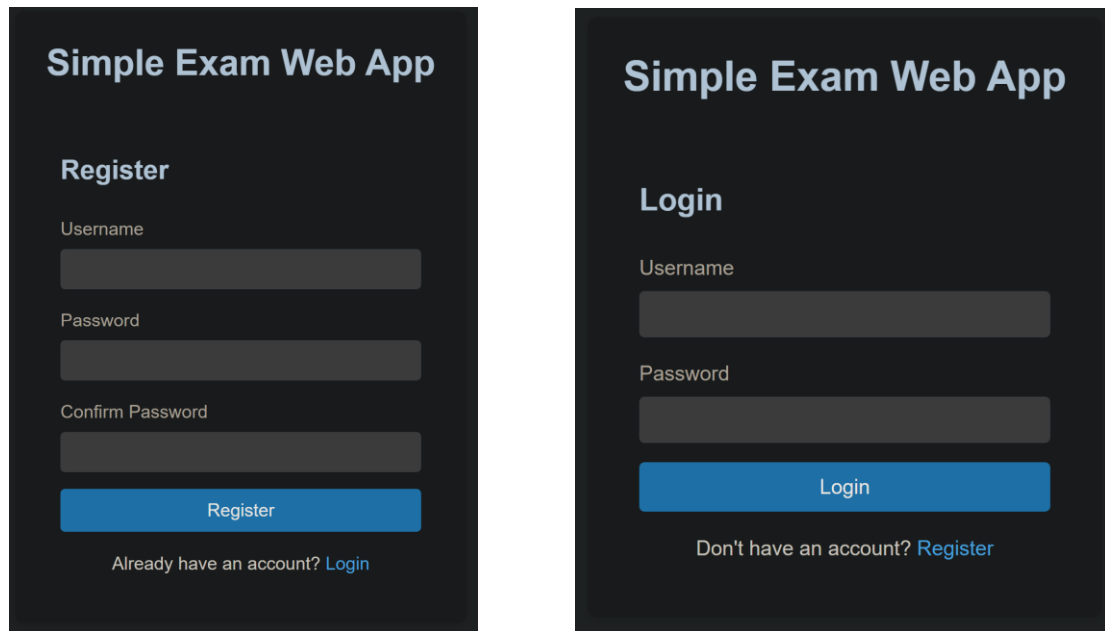
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## 1. Login & Registration

### Description:

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

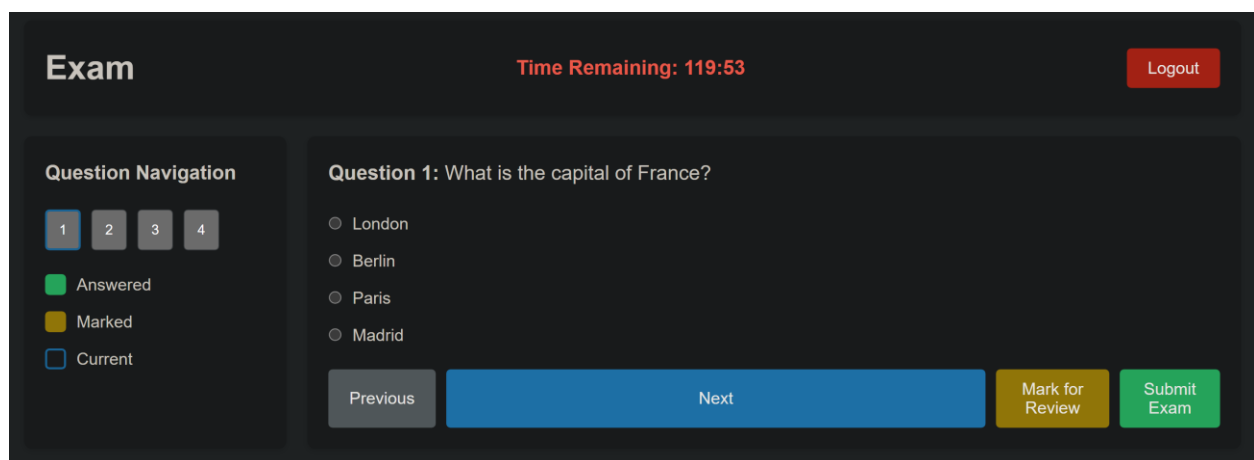


The image displays two side-by-side screenshots of the 'Simple Exam Web App' interface. The left screenshot shows the 'Register' form, which includes input fields for 'Username', 'Password', and 'Confirm Password', a blue 'Register' button, and a link to 'Login' for users who already have an account. The right screenshot shows the 'Login' form, which includes input fields for 'Username' and 'Password', a blue 'Login' button, and a link to 'Register' for users who do not have an account. Both forms are set against a dark background with light-colored text and input fields.

## 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.

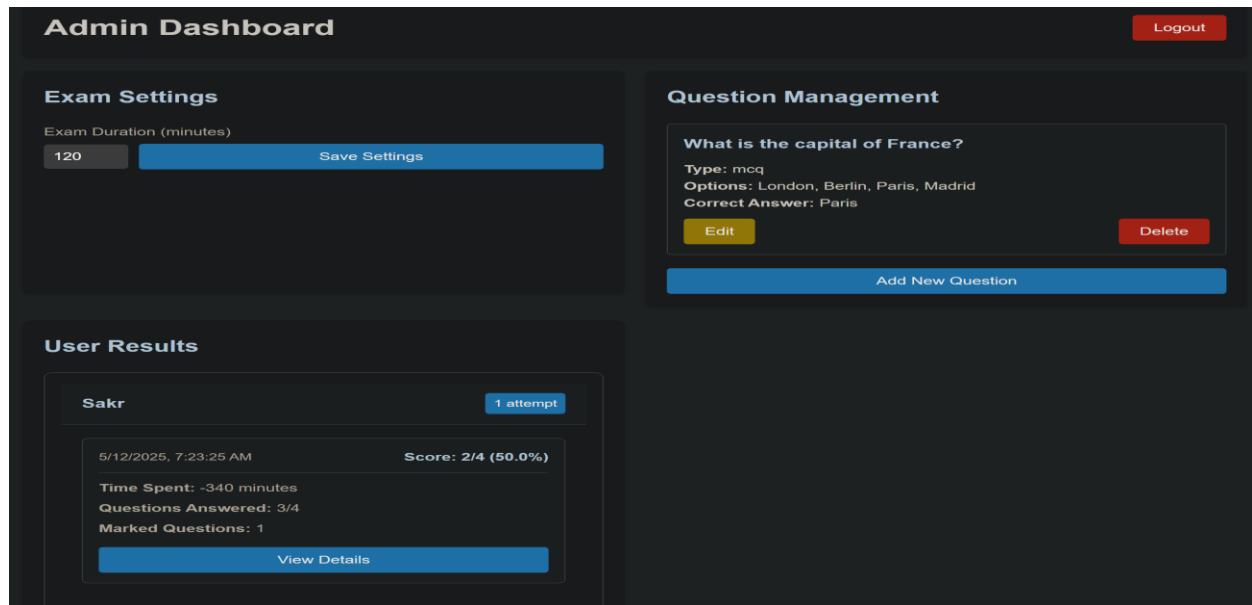


The image shows a screenshot of the 'Exam' interface. At the top, the word 'Exam' is displayed on the left, and 'Time Remaining: 119:53' is shown in red in the center. A red 'Logout' button is in the top right corner. Below the header, the interface is divided into two main sections. On the left is the 'Question Navigation' panel, which contains four numbered buttons (1, 2, 3, 4) and three status indicators: 'Answered' (green square), 'Marked' (yellow square), and 'Current' (blue square). The main area on the right displays 'Question 1: What is the capital of France?' with four radio button options: 'London', 'Berlin', 'Paris', and 'Madrid'. At the bottom of the main area, there are four buttons: 'Previous' (grey), 'Next' (blue), 'Mark for Review' (yellow), and 'Submit Exam' (green).

### 3. Admin Dashboard

#### Description:

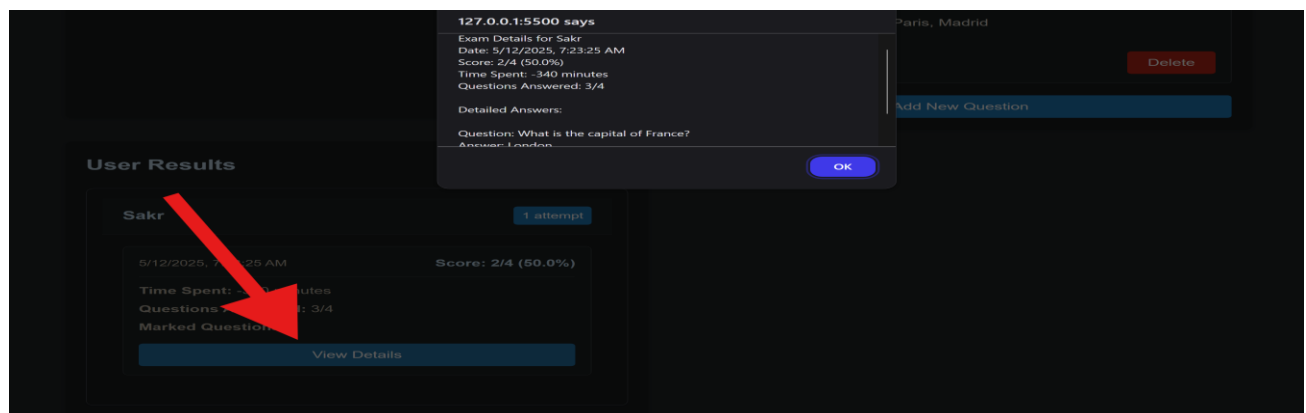
Admins can add, edit, or delete questions, set exam duration, and view user results. The dashboard provides a clear overview of all exam data.



### 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