

SCHOOL COURSE REGISTRATION WEB APPLICATION DOCUMENTATION

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This documentation provides an overview of the design and features of the School Course Registration Portal, outlining its purpose, functionality, and implementation details.

INTRODUCTION

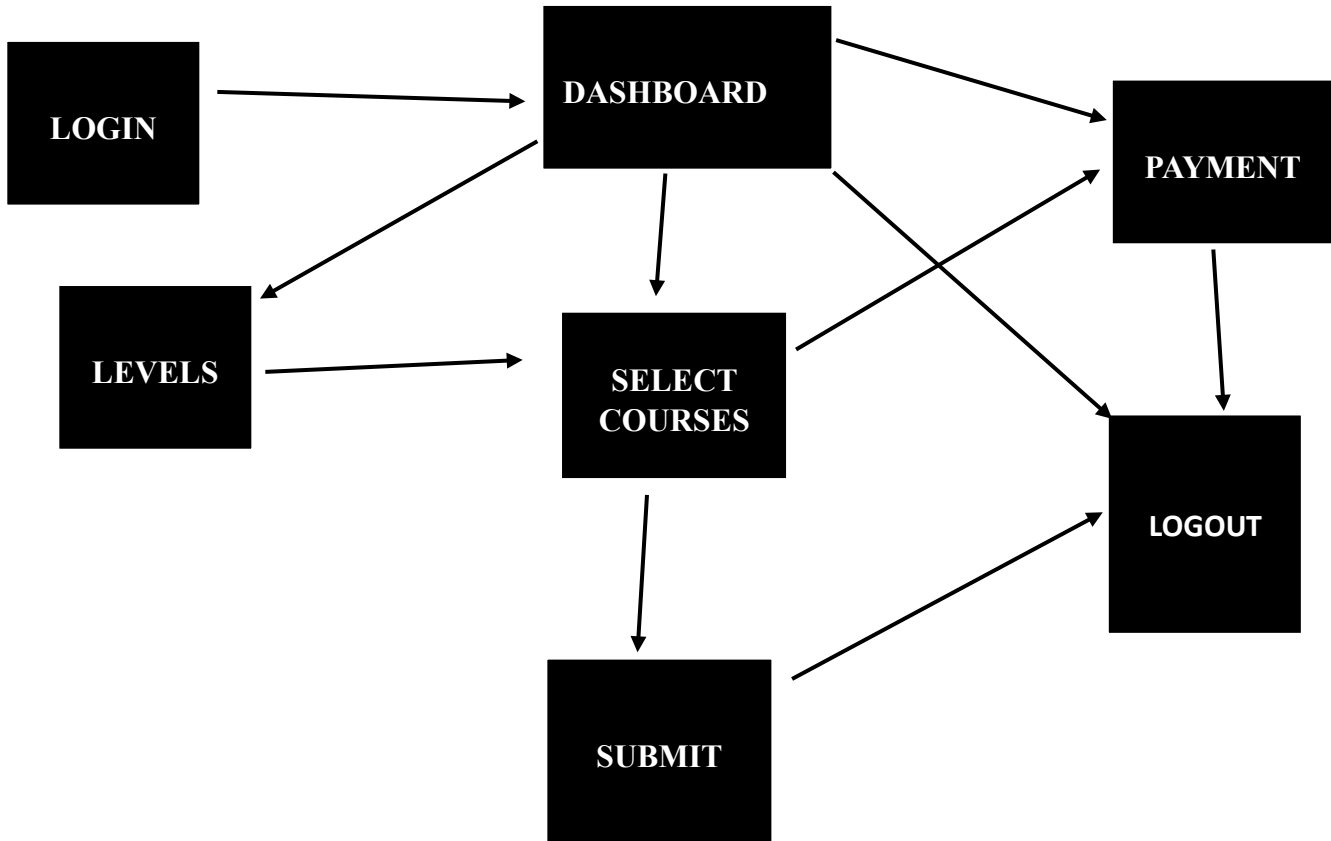
The School Course Registration Portal is a web-based application designed to facilitate course registration for students in a school. It provides a user-friendly interface for students to login, select their school level, choose multiple courses, and make payments for registration. The portal aims to streamline the course registration process and ensure a smooth experience for students.

FEATURES:

- 1. User Authentication:** Students can login to the portal using their username and password to access the registration features. Additionally, Users have the option to recover their password by clicking on the "Forgot Password" link, which redirects them to a password recovery page.
- 2. School Level Selection:** Students can select their school level from a dropdown menu provided in the dashboard.
- 3. Course Selection:** Students can choose multiple courses from the available list of courses using checkboxes.
- 4. Payment Processing:** After selecting courses, students can proceed to the payment processing section where they can enter their payment details to complete the registration process.
- 5. Logout:** Students can logout from the portal after completing the registration process.

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DESIGN



LOGIN PAGE

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Login to School Course Registration

Username:

Password:

[FORGOT PASSWORD](#)

WELCOME BACK

- The login page contains input fields for username and password.
- Users can also click on "Forgot Password" to initiate the password recovery process.
- Upon successful authentication, the user is redirected to the dashboard.

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DASHBOARD

WELCOME BACK

Welcome to the Dashboard

Username: admin
Department: Cyber Security Science
School level:

Course Registration

Select Courses:

First Semester

☒ Data management and control ☒ Cloud Computing security ☐ Software Engineering

Total credits unite: 23 credit unite

Second Semester

☐ Research Methodology ☒ Data management 1 ☒ Application security

Total credits unite: 23 credit unite

Registration Details:

Department: Cyber Security Science
Student ID: M1903072
Level: 300l

Selected Courses:

- Data management and control
- Cloud Computing security
- Data management 1
- Application security

Payment Method:

Card Number:

- The dashboard displays the user's username and school level.
- It provides a dropdown menu for selecting the school level.
- The available courses are listed with checkboxes for selection.

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- To delete a selected course:
 - a. Navigate to the "Course Registration" section on the dashboard.
 - b. Locate the selected course you want to delete.
 - c. Click the "Delete" button next to the course.
 - d. The course will be removed from the list of selected courses displayed on the dashboard.
- Information about the maximum credit units allowed is displayed.
- Students can proceed to the payment processing section or logout from the dashboard.

PAYMENT PROCESSING

WELCOME BACK

Payment Processing

Amount to be Paid: #39000

Card Number:

123456

Expiry Date:

1234

CVV:

123

Pay Now

Logout

- In the payment processing section, students enter their card details including card number, expiry date, and CVV.

This page says

Payment processed successfully!

OK

Amount to be Paid: #39000

Card Number:

123456

Expiry Date:

1234

CVV:

123

Pay Now

Logout

- Upon successful payment processing, students are redirected back to the dashboard.

Implementation

Frontend Elements:

- The HTML structure defines the layout and appearance of the webpage, including headings, forms, input fields, buttons, and text.
- CSS styles are used to apply visual styling to the HTML elements, such as fonts, colors, margins, and padding, to enhance the appearance of the webpage.
- JavaScript functions are used to implement client-side interactivity, such as form validation, handling user input, and dynamically updating the content of the webpage without reloading the entire page.

Backend Elements:

- JavaScript functions are also used to handle backend functionality, such as user authentication, processing form data, and managing user sessions.
- The login () function handles user authentication by comparing the entered username and password with predefined credentials (username and password variables).
- The logout () function clears the user's session and redirects them to the login page when they choose to log out.

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- The `processPayment ()` function simulates payment processing logic and alerts the user when the payment is successfully processed.
- Local storage is used to store and retrieve information about the user's login status (`localStorage.setItem()` and `localStorage.removeItem()`).

Overall, the provided code combines frontend HTML, CSS, and JavaScript with backend JavaScript to create a dynamic and interactive web application for a school course registration portal.

Security

- The login functionality includes basic security measures, such as checking for valid username and password combinations.

Conclusion.

The School Course Registration Portal provides an efficient and convenient way for students to register for courses. By streamlining the registration process and providing a user-friendly interface, the portal aims to enhance the overall experience for students and improve the efficiency of course registration in the school.