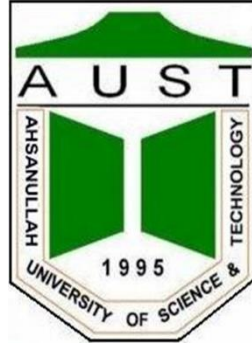


AHSANULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY
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141 & 142, Love Road, Tejgaon Industrial Area, Dhaka-1208.



Department of Computer Science and Engineering

Program: Bachelor of Science in Computer Science and Engineering

Project Report

Course No: CSE 3100

Course Title: Software Development-IV

Project Title: AlexAcademy (An Educational website)

Date of Submission: 20/08/2023

Submitted to

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AlexAcademy




Introduction:

Alex Academy, an innovative educational website aimed at providing users with diverse educational and study materials on various topics. Alex Academy is designed to address the need for a personalized learning experience, where users can explore a wide range of topics and can access different materials to their interests and preferences. The website will offer a personalized learning experience by allowing users to select their favorite topics from a pool of options. The chosen topics will be prioritized, ensuring that relevant materials are displayed more frequently to enhance user engagement and satisfaction.

Motivation:

The motivation behind creating “Alex Academy” stems from the need for a comprehensive and user-centric platform that caters to individual learning preferences. Though there are many other educational platforms out there but we stand out by focusing on each individual's preferences. We let users choose what they want to learn, making their experience more personalized and enjoyable. Our goal is to make learning easier and more interesting, so that people keep using our platform and continue learning.

Tools that are used to prepare the whole project:

-  Visual Studio Code
-  Xampp
-  Google Chrome

Languages used in that website:

-  HTML
-  CSS
-  PHP
-  JAVASCRIPT

Features:

User Panel:

- ✚ **Responsiveness:** Our website is fully responsive. Bootstrap classes are also used for make it more smooth and totally responsive.
- ✚ **Splash_Screen:** AlexAcademy contains a beautiful UI.

Learning is not attained
by chance, it must be
sought for with ardor and
attended to with
diligence.

Education is the process of facilitating learning, or the acquisition of knowledge, skills, values, beliefs, and habits. Educational methods include teaching, training, storytelling, discussion and directed research!

User login Admin login



- ✚ **User Login and Registration:** User can sign up by giving user name, a valid email, age and password for registering new user or a user can login by providing registered email and password to enter the website if he/she already have a registered account.

User Login

Email

Password

Login

Don't have account? [Sign Up Now](#)

Sign Up

Username

Email

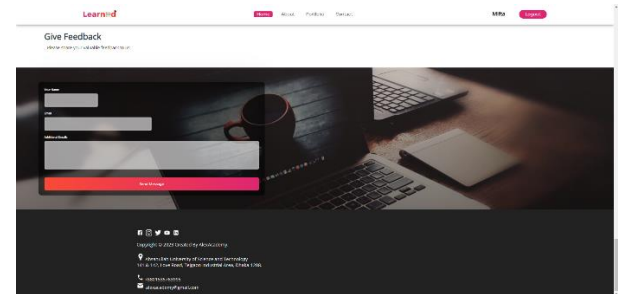
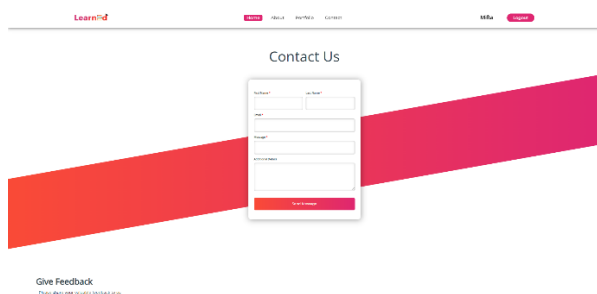
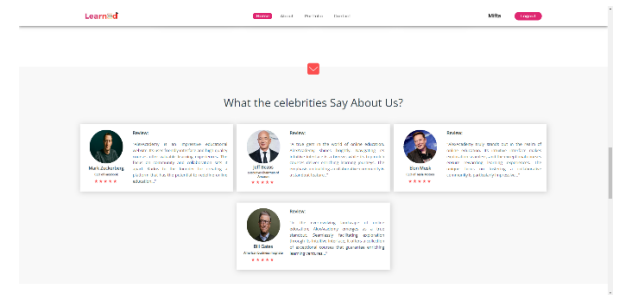
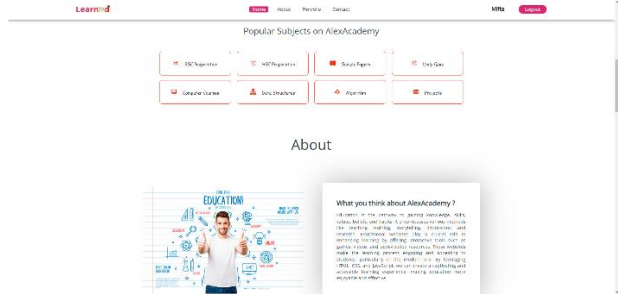
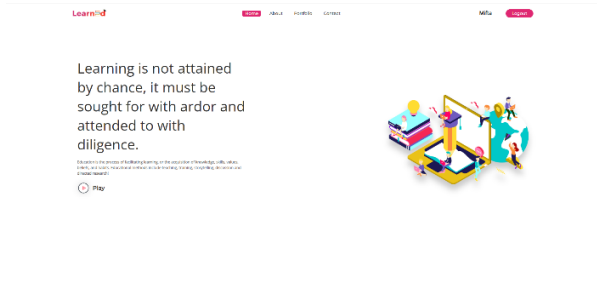
Age

Password


Register

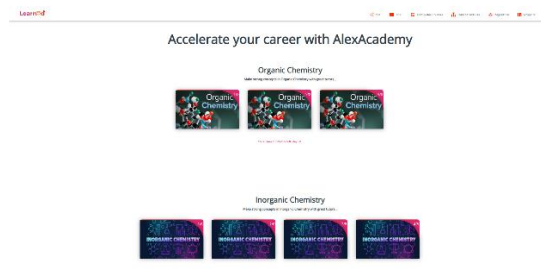
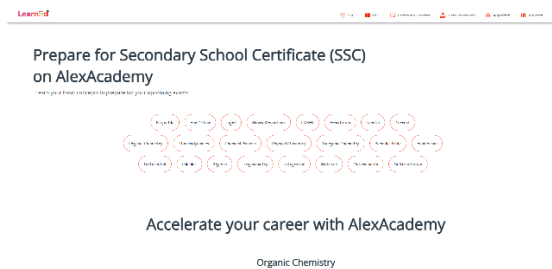
Already a member? [Sign In](#)


- ✚ **Sending welcome email:** After giving a valid email in the sign-up page the website will thank us by giving a welcome email into that registered email.

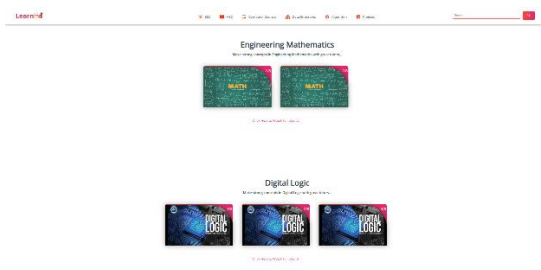
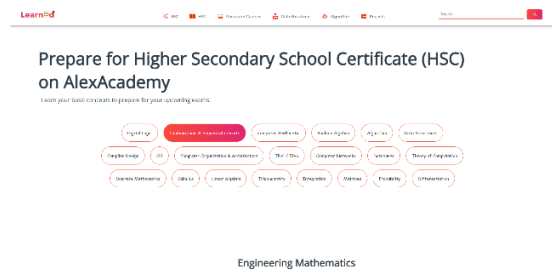



Step into the virtual realm of AlexAcademy, where the homepage's aesthetic allure not only captivates the eye but also beckons the curious mind to embark on an educational odyssey like no other.

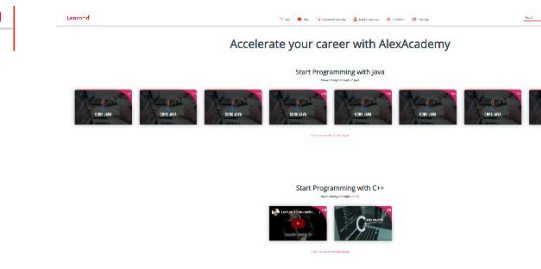
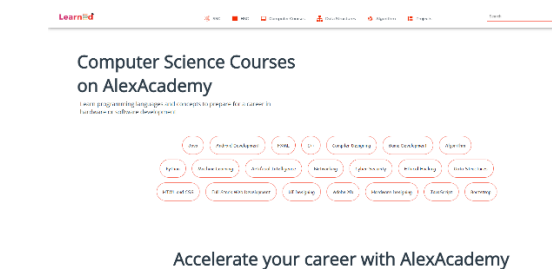
 **SSC:** This page contains all the notes and lectures for Secondary School Certificate students.




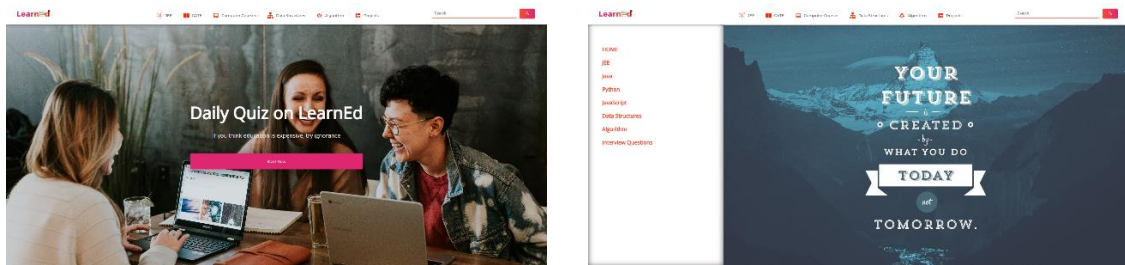
 **HSC:** This page contains all the notes and lectures for Higher Secondary School Certificate students.




 **CSE:** This page contains all the notes and lectures Computer Science and Engineering students.




 **Quiz:** This page contains all the Quiz ques for self-justification of the students.



 **Logout:** For logging out from the user main page.

Logout

Admin Panel:

 **Admin Login:** After giving a valid admin user name and password admin can go into the admin control panel. Admin login grants exclusive access to manage events, movies, concerts, theaters, seating, and user bookings. This control ensures smooth event coordination and content curation.

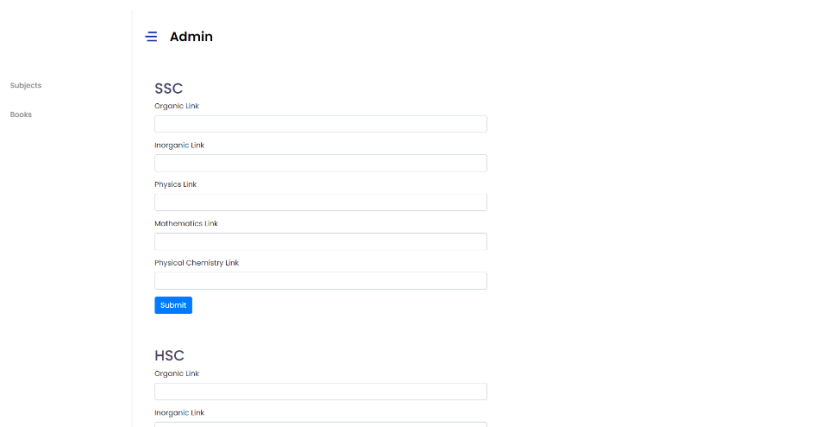
Admin Login

Username

Password

Login

 **Video:** An Admin can add video links on different topic for the students.



The screenshot shows a web application interface for an administrator. On the left is a sidebar with two menu items: 'Subjects' and 'Books'. The main area is titled 'Admin' and contains two sections for adding video links. The first section is for 'SSC' and includes five input fields labeled 'Organic Link', 'Inorganic Link', 'Physics Link', 'Mathematics Link', and 'Physical Chemistry Link'. Below these fields is a blue 'Submit' button. The second section is for 'HSC' and includes two input fields labeled 'Organic Link' and 'Inorganic Link'. A vertical scrollbar is visible on the right side of the main content area.

Problems that we have faces:

When we create a website using HTML, CSS, PHP, JavaScript, and PhpMyAdmin, we face many challenges. These include making sure the site works well on different web browsers, making it look good on all screen sizes, finding and fixing errors, and keeping it safe from online threats. We also need to connect databases, keep track of different versions of our work, and take care of the code we write. To make the website fast and user-friendly, we have to think about how it performs and how people use it. Learning as we go, adapting to changes, and testing thoroughly are really important. Setting up the servers where the website lives, making sure they can handle more visitors if needed, and having plans for backups make things more complicated. Keeping up with the latest trends and asking for help when needed are crucial steps to make sure our journey in web development ends successfully.

Conclusion:

In conclusion, the Alex Academy project aims to revolutionize the educational landscape by offering a personalized learning experience through topic selection and tailored content recommendations. By prioritizing users' interests and delivering diverse educational materials, we aim to empower learners, enhance engagement, and promote continuous learning. The anticipated impact on users includes long-term benefits such as increased knowledge acquisition, personal growth, enhanced motivation, and a deeper understanding of various subjects.