BUILDING A EDUCATION WEBSITE TO SELL COURSES FOR VAN ANH ACADEMY

Van Anh Kieu
Faculty of Information Technology, Hanoi
University of Industry
No.298 Cau Dien Street, Bac Tu Liem
District, Hanoi, Vietnam
Email: qiaoying281@gmail.com
Contact number: 0393593281

INTRODUCTION

The expansion of information technology (IT) in recent years has had an impact on every facet of social life, ranging from science and technology to socioeconomics. Information technology enhances and simplifies industrial processes and offers additional managerial advantages. Technology has impacted human activity and is playing a bigger role. In recent years, information technology in our nation has advanced remarkably. It is becoming more and more common in all spheres of social life, including learning, purchasing, and selling, as well as trading. Because of COVID-19, online education has been booming lately. E-commerce, on the other hand, refers to the practice of trading, purchasing, and selling items over the Internet. On the websites of educators and teaching centers, customers can view, refer to, and choose products that have been introduced. This is a practical and simple-to-create business form that will offer expanding companies several chances for prosperity and recognition. In any industry, e-commerce provides advantages as well. Every human transaction is completed in less time and money thanks to it. In addition to providing for human needs, online commerce enables customers to evaluate costs and purchase high-quality goods at lower costs. "Building a website to sell English Literature courses" was the subject I decided on.

ANALYSIS AND DESIGN SOFTWARE

Analysis functions

Students can browse, search for course information, purchase courses, take classes, view purchase history, and make payments on the website by logging in or creating an account with their account name and password. Send comments and make an online payment.

By creating an account on the website and entering their password, tutors can access the specified course materials. Additionally, they can see who is enrolled in the designated course.

After logging in, the administrator can control the website's content, including accounts, courses, students, instructors, and income data. You need to be logged in to use the website. The system stores user offerings. Customers have two options for making payments: money in their account or online banking. systems that keep track of orders.

Design databases

Fig. 1. shows the database of software, it has 20 tables of data. The website's database is designed according to 3NF standards, making the database concise and easy to understand.
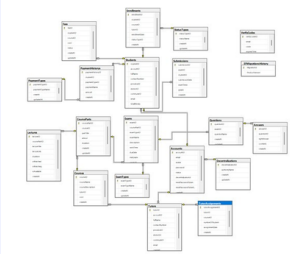

Fig. 1. Diagram of database

INSTALLING AND TESTING

The ASP.NET Core 6.0 framework and C# are used in the development of the API (Fig. 2.).

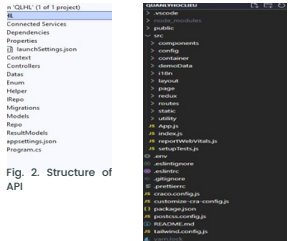The frontend site is developed using ReactJs and TailwindCSS (Fig. 3.).

Fig. 4. shows the testing plan of this software.
Fig. 5. shows the list of test case.

Fig. 2. Structure of API

Fig. 3. Structure of frontend site

Fig. 4. Testing plan

Fig. 5. List of test case

RESULTS AND DISCUSSION

Fig. 6. displays the API's interface. C# and the ASP.NET Core 6.0 framework were used to develop this website. I use Swagger to show API controllers on this website. In order to utilize Swagger UI in this project, we must install the package Swashbuckle.Microsoft.NetCore. We also need to edit some lines of codes in Program.cs and launchSetting.json to use Swagger.

Fig. 7. shows the statistics view interface for the admin. This website is based on TailwindCSS and ReactJs. Here, the administrator can see charts that display revenue and transaction data. Other management features that the administrator can utilize include account, course, student, and tutor management.

Fig. 8. shows the interface of the student's home page. TailwindCSS and ReactJs are used in the construction of this page. Students get access to the center's news and information. In addition, students can update their personal information, take classes, purchase courses, and watch courses. On the tutor site, tutors can view a list of assigned courses, comprehensive course details, and other students registered for that course .
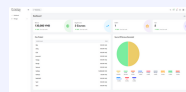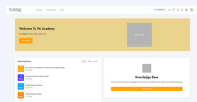

Fig. 6. Interface of API

Fig. 7. Interface of Admin site

Fig. 8. Interface of Student and Tutor site

CONCLUSION

After this project, I recognized the selling technique for online courses and designed a course sales website that met the expectations of users. The program's UI is user-friendly and appealing. Users can now receive satisfactory products in less time. Manage user information, product specifications, and product buyers' orders with ease to facilitate payment and purchase. However, this project requires additional functions, such as improving the website's data security. Use artificial intelligence (AI) and machine learning to provide live chat support for students' questions. Using several website development models in the software development process.