Case Study: DiaZero Academy

Technical Specifications:

Programming: .Net MVC, APIs
CMS : Umbraco 7- Bespoke Solution.
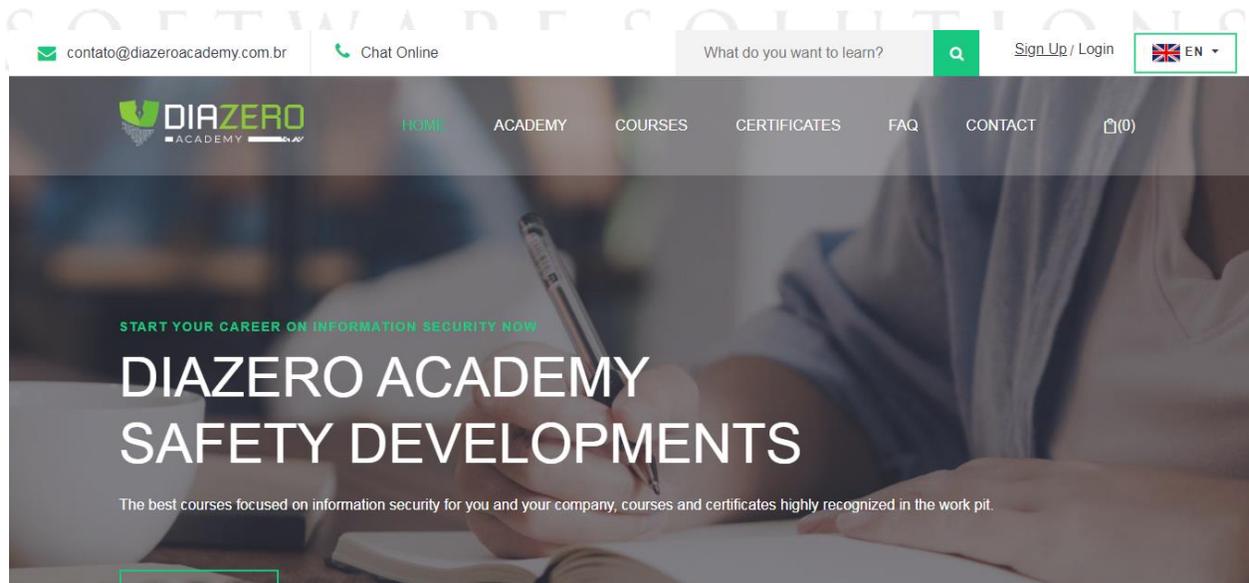**Database:** SQL Server 2014
Design : HTML5, CSS3, Bootstrap, jQuery etc.
Third-Party Integrations: PayPal, Boa Compra.

Background:

This project is an e-Learning Management System which allows users to purchase courses from their website and develop their skills using these courses with the video and document content as well as through occasional quiz.

Instructors would be available on the platform to answer queries and monitor their content. In addition, end users would be able to take certification examinations to test their skills and knowledge of the prescribed content.

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The website contains the following modules:

-Admin
-Student
-Instructor

Admin Roles and Responsibility:

-Admin can Manage Users (Add/Edit/Delete Students & Instructor) and Subjects (Add/Edit/Delete Subjects). It is also responsible for managing the Subscription Packages, Course Catalog, Content & Enrollment Management.
-Tracking & Reporting
-Manage Questions and Notifications
-Manage Chats

Student Roles and Responsibility:

Students can create their own accounts and can choose the courses/ learning subscription plans. They can also attend webinars and online courses. Can connect with Tutor through Video & Text Chat or Posting a Question.
-Students can directly Post Questions to be answered by Tutors.
-View Asked Questions History
-Course Certificates
-Student can also chat with the instructor offline.
-Providing Feedback

Instructor Roles and Responsibility:

-Instructors can create edit his/her own profile.
-Tutor can respond to Questions.
-Tutor can connect with students on Video or Audio chat-Can Receive Notifications, Reviews and Ratings.

Problem:

- The requirement was to display all the information of the Student, Instructor and the courses on the Admin Dashboard which was not possible in Umbraco CMS.

- Umbraco by default does not provide social login functionality.

Solutions:

- To display all the information in Admin dashboard, we created a custom dashboard.

- To allow social logins, we had to fetch data from the various social media plugins.

Result:

Our team worked really hard to understand what the client wanted and needed. This research helped us to choose the right features and deliver a full-fledged website.

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