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Where passion meets technology

Automated Web Application for Streamlining Trainings And Assessments

Client

A US-based major client provides business strategies, assessment tools and IMX certification to independent business consultants. IMX assessment tools are considered the most comprehensive, validated and qualified in the world.

Challenges

- The client wanted to develop a web application for online training management incorporating training & certification processes.
- The client's existing system was built on PHP & MySQL that supported only 10 candidate assessments simultaneously.
- The original cloud platform was not able to scale automatically, leading to downtime and latency issues due to high traffic.
- Database Operations for performing multiple tasks were not optimized, causing a heavy load on the servers.

Solution

- Navtech designed a responsive template for the website and upgraded the styling library to provide the best user experience on every device.
- Application was refactored and upgraded to PHP 7.4 and MySQL 8.23 along with migrating to a new server.
- Developed an interactive web version of the DISC report that can accommodate up to 50 participants which also facilitated new features.
- Database optimization was performed to improve the speed of OHC and DISC reports processing.

Technologies & Platforms

BACKEND

php   MySQL

FRONTEND

HTML5   {.js} JavaScript

CSS3   React

INTERGRATION

stripe

CLOUD VENDOR

aws

Outcome

- Improved operational efficiency by 30%.
- Enhanced user experience resulting in increased revenue by 10%.
- Reporting capacity increased up to 15x times.