ALTEN CALSOFT LABS
AN ALTEN GROUP COMPANY

VIRTUAL LEARNING ENVIRONMENT FOR ONLINE CONTENT DELIVERY & COLLABORATION

THE CLIENT

The customer is the larget international provider of face-to-face and online tutions using qualified teachers with a susccessful track record of nearly 4 decades in proving the best of breed learning solutions for all age groups.

ABOUT THE PROJECT

Virtual Learning Environment (VLE) is a web based tutoring platform that helped our customer in offering remedial tutoring services to students online, instead of the current face-to-face tutoring offered through franchisees. This platform is a database driven, content and tutoring delivery environment with collaboration features for student-tutor interactions.

BUSINESS NEED

The customer envisaged a robust learning platform addressing

- Flexible VLE design to support numerous question types associated with different tutoring subjects and dynamic metadata
- Migration of existing CD-ROM tutoring content consisting of lessons, questions, graphical/mathematical/science tools and rich intuitive multimedia files
- Integration with existing lesson planning and franchisee management software
- Offline model to support users with limited bandwidth/internet connectivity

SOLUTION DELIVERED

The solution implemented by ALTEN Calsoft Labs encompassed the following features:

- Silverlight based virtual learning solution using Telerik Silverlight based controls that provide rich user interface
- Migrated existing tutoring content (with over 100,000 questions) to the SQL database with metadata to drive the virtual learning platform
- Collaboration features for students and tutors (whiteboard, desktop sharing, audio and video conferencing etc,)
- Role based learning, homework and administration portal
- Lesson planning tool & quiz builder
- Pre-enrolment assessment for lesson planning
- Question editor and meta data builder
- Mobile learning support

TECHNOLOGY USED

- Development Environment: Silverlight 4.0, Microsoft .NET, C#, Expression Blend, Ajax, CSS 3.0, JavaScript & SQL Server 2008
- Third Party Controls: Telerik Silverlight Controls & Reporting

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