Learning Management System

Executive Summary

The primary focus of our client was to create an e-learning management system which could help the people to develop knowledge and keep themselves safe at all times while driving .For over few years, our client has been delivering messages to the youth market. They focused primarily on kids and were inclined towards motivating and finding ways to excite them. They wanted to combine talent and creative ideas of people with a unique application which could produce solutions and could be used for communicating messages in their media and in their words.

They were in search of an offshore service provider who could deliver them with a perfect application that could help them grow and make a unique place for them in world of internet.

Our client aimed to incorporate attractive features in the application which could make the application unique ,user friendly and interactive by nature .They were concerned too much about this application as it was to be used by kids who comprised of major part of the population.

To achieve what they aimed, the client firm approached Mindfire and informed us about their requirement. Mindfire responded positively and took the responsibility to provide the best and unique solution that could cater to the youth market.

About our Client

Client Risk Management Company | **Location** NJ, USA | **Industry** Risk Management

Business Situation

Realizing the need for an E-learning information system which could help the client to promote their business over internet on large scale, the client firm contacted Mindfire Solutions. They focused on the people and especially kids who covered a large part of the population. They primarily aimed to develop knowledge through high quality e-learning application which people can use to share and exchange ideas .They wanted to conduct online quiz to make education much more effective and hence, giving great experience to the users. This made the client search for a good offshore partner who could consolidate their thoughts and ideas into a unique working application and came up to Mindfire Solutions.

A team of developers from Mindfire Solutions brainstormed through the specification documents of the client and started analyzing it. A design was then proposed after discussion among the team and with the client's
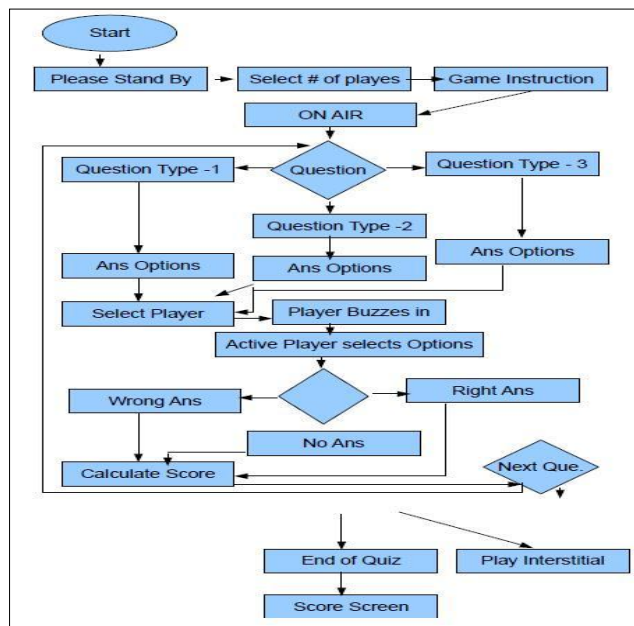
approval, all the existing functionality of the web application were analyzed and ported onto the desktop version. The tool developed was very much a unique and valuable one and fetched huge appreciation for the client.

Solution Details
The Mindfire Solution

The major advantage of e-learning management system was to help people for developing   knowledge to keep them safe at all times while driving. Keeping the objective and the target market in mind, Mindfire team started with a thorough and deep analysis of the specifications and laid out the architecture of the application which could best fit in.

Architecture

Focusing on the architecture laid, the development team at Mindfire continued its work. All the contents and buttons of the system were dynamically generated by reading from the XML generated by PHP as application layer. By reading from the XML different lesson buttons were generated on the UI dynamically. The questions and answers were to be displayed randomly when the allocated buttons for lesson were clicked. For each question there were separate feedback and audio sections. After selecting the answers users can verify their answer by checking for the correct answer and can then proceed to the next question. After completion of a particular section the score was sent to the PHP in the form of a XML document was saved in the database. The user was supposed to clear each lesson in sequential manner before moving to the next lesson. The users were not given privilege to switch to the next lesson without completing the previous one. Mindfire's technical team overcame all the issues they encountered and delivered an exciting and dynamic quiz tool.

Achievements

Looking at the specifications of the project, it looked simple. But, the development team faced issues only after they started working on it. Many run time issues were encountered like loading performance, sequencing etc. Our developer was capable enough to catch hold of those issues, address them and resolve them. The final quiz tool that was developed for the client had all the issues fixed with the system being very much stable, unique, attractive, user friendly and interactive. The client's huge success in the market with the tool was evident of the developer's dedication and effort.

Technologies

Flash CS3, ActionScript 3.0, XML, PHP

Final Results
Software System

Customer Benefits

Due to its user friendly and interactive nature, the quiz tool was widely accepted and was a huge success for the client. All the run time issues were discarded which made the system more stable due to which the client made a unique place for them in world of online education.

Future relationship

This was our first venture with the client which turned out to be a successful one. As the client could create a respectable image in the world of online education, he was very happy. In reward to this, the client offered Mindfire Solutions to work on all its future assignments.