

Case Study

Web based menu generation & real time display on LCD screens

Technology:

ASP.NET(C#),SQL
Server 2008 R2,
Javascript, jQuery

Client

A graphics design
company

Project Brief: The application was developed for the company's clients who could use it to update their menus being displayed on the LCD screens in their outlets in real time.

- A web based application used by customers to update their menus in their restaurants that are displayed on the LCD screens in real time. There are 3 parts to this application- Windows Player Application, Server Application and the Middle Layer. The Windows Player Application is installed at the customer end which checks for updates in the Server Application through the Middle Layer.
- Each customer has predefined menu templates. These are provided as presentation files which are then converted to HTML. These templates include values like item names, price, images etc. All the values are stored in the database at the backend which can be edited by the customers.
- Customer can create Content comprising of multiple menu templates. They can create Schedules i.e. time and date when the Content will be updated on the screens. Each schedule can be pushed to different locations where the screen are located.
- The customer logs in the website(Server Application), creates/selects the content which he wants to display on the LCD screen & performs a "push" request. This request is stored on the server. Once the customer request is pushed the middle layer of the application sends the update to the Player Application. The Player Application then downloads the content from the server which is subsequently displayed on the LCD screens.