



Case Study: FolderSelect Module

"We are very happy with SolvelT's capabilities, quality of work, and time-to-deliver; all of which are very important for us. At VisioSign, we develop and deploy Microsoft technology based solutions for our customers and partners and have worked with SolvelT on a number of projects. We have been extremely satisfied with the speed, accuracy, and quality provided by the SolvelT team."

Katerine Christiansen
CTO, VisioSign

Summary: The client had deployed a contingent system which facilitated background setting via InfoBoard Administration System, however it was hampered by regular fretting of customers who wanted to set their background themselves. Hence the organization sought a software solution that could provides a simple and easy way to select image files within a folder and set the particular image as the background on the InfoBoard screen.

Solution: The new FolderSelect module included a brand new user interface which provided features that facilitated selection/changing the background of Infoboard Screen.

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1 Introduction

1.1 Client Introduction

The Client is the leader in the content presentation system. They are one of the largest providers of centrally managed and web based software which incorporates key constructs of internal information, campaigns, information, schedules and collaboration to enable the efficient distribution of content across network of screens down to individual screens. This flexibility creates the optimal environment for any communication department or marketing professional to communicate targeted messages that reach employees at the right place, at the right time.

1.2 Project Introduction

The project aims to provide a software solution that controls the elements used in visual communicational, generates and schedules playlists, and delivers targeted messaging to the screens. The Players are using standard Internet protocols. Both media and players can be grouped to take advantage of user defined market and network characteristics, enabling the precise and efficient delivery of communication and campaigns. The software solution provides users the option to define and position designated areas of a display screen to showcase additional communicational messages along with the latest news, sports, business and entertainment headlines.

The deliverable is a web-based software with main focus on integration with Microsoft SQL Server 2005 and a customized web solution to present content in different forms.

2 Requirement

As a rapidly growing Content presentation company, the client needed enhanced features to be added to its base product for managing content more efficiently and presenting it in myriad forms.

The client had deployed a contingent system which facilitated background setting via InfoBoard Administration System, however it was hampered by regular fretting of customers who wanted to set their background themselves. Hence the organization sought a software solution that provides a simple and easy way to select image files within a folder and set the particular image as the background on the InfoBoard screen.

The new FolderSelect module included a brand new user interface which provided features that facilitated selection/changing the background of InfoBoard Screen.

3 Features & Benefits

The FolderSelect module built over the features and functionalities provided by InfoBoard Administration System cater to user demand for an easy to use mechanism for setting the background of their InfoBoard Screens. This facilitated periodical updation of background screen.

3.1 System Features

Functionalities:

The FolderSelect.aspx page or FolderSelect.ascx component contains 5 sections mainly.

Area 1 (Radio Buttons): The user is able to select an option - "Picture" or "Folder". Two things happen on selection of any of the radio buttons, either picture selection becomes visible or folder selection becomes visible. Area 4 will not be visible on the selection of "Picture". If Picture is selected within Area 1, Area 2(folder view) becomes visible. When the user sees the page for the first time, neither of the two radio buttons can be selected. If none of radio buttons is selected, all other areas remain invisible.

Area 2 (Folder View): Telerik Treeview component provided by client is displayed in this area. If it is a picture/folder radio button select, then the folder gets unfolded and the pictures in the folders gets displayed in Area 3(Picture View). The selected folder should be set to *FolderViews selectedfolder* property. The user can then select the folder they want to choose a picture from. The pictures will be displayed in the Area 3(Picture View) area. Then the user selects a picture by clicking on it.

Area 3 (Picture View): In this area, the images are displayed based on the selected folder under Telerik Treeview component. If there are more than 11 pictures available in the folder, paging feature is available. Paging is done by Data pager.

The pictures that are displayed in Area 3 can be resized from their original size to a size limited by 87 pixels wide and 65 pixel deep. If a picture is selected, clicking on the picture would set the *selectedpicture* property to the clicked picture. If there is no picture in the selected folder, following message will be displayed "The folder contains no pictures" in Area 3.

Area 4 (Shift Textbox and Shift Dropdown): This area is displayed once a folder is selected. This area contains a textbox and a dropdown list. The dropdown list is a container and when the user initializes the folderselect user control they can give a dropdown list object as argument.

Shift Textbox's value is the time interval value to which background pictures are shifted periodically e.g. Shift background after 15 minutes.

Shift Dropdown's value can be used to give shift effect to pictures. For example, a wheel affects displays during shifting pictures .

Area 5 (Selected Text Values): This area is displayed for both picture and folder select and is simply a line of text that tells user whether they have selected a folder or a picture.

4 Challenges

- Main Challenge is to avoid postback (page refresh) during selecting folder in treeview or selecting picture in pictureview.

5 Technology Statistics

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|------------------------------|---|
| Application Server | Windows 2003 Server Advanced Server and above. |
| Web Server | IIS 6.0 or higher |
| Application Scripting | JavaScript , AJAX |
| Web Languages | ASP.NET with (VB.NET) |
| Development IDE | MS Visual Studio.Net 2008 |
| Browser | Internet Explorer 6.0 and above and Firefox 2.0 and above |
| Third Party Controls | Telerik |

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