



How DSS created a Portal for Consignee Stock Agents for this Worldwide Leaders in the PVC Additives Industry

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DIRECTION
Software LLP

CSA Web Portal – Technologies used

- UI - ASP.Net MVC 5 - Full control and easy to write tests. Best for SPA(single page application)
- CSS and JavaScript - Bootstrap, JQuery
- Bootstrap 3 - sleek, intuitive and powerful front-end framework
- NewtonsoftJson - Popular high-performance JSON framework for .NET. Data communication between server and browser is done using JSON Data
- Web Services (.asmx) - Used for communicating with CRM system. It uses SOAP (simple object access protocol)

Controls and Tools used

- Grid - JqGrid (4.10)
- Common controls (buttons, labels) - bootstrap/ Html tags
- MessageBox - Alertify.Js
- Icons - Font-Awesome
- Notification Box - notifyJs
- Logging - NLog (4.4.10)
- Reporting Tool - CrystalReport (13.0) which is used for design and then its output is returned as pdf file
- EPPLUS (4.1) - this library is used for excel operation (import/Export)
- Version Control - TortoiseSVN

About Direction Software LLP

We are a software services firm, specializing in developing & implementing Internet strategies for businesses & providing high-end software development services including Custom Programming & Offshore Development.

With 17,000 sq. ft. of space in a modern building in central Mumbai the hub of all business activities in Mumbai, Direction is fully equipped with state-of-the-art infrastructure and networked with redundant 6 MBPS dedicated internet access from different providers.

Our vision is to be a trusted IT partner, leveraging our knowledge of tools and technologies to provide simple, integrated and innovative solutions that result in maximum customer satisfaction.

Executive Summary

Client

This client is a part of a famous group who are worldwide leaders in the PVC additives industry

Summary

- This portal is created for Consignee Stock Agents (CSA) of BIAPL
- Using this portal, CSA can:
 - Request Stock Transfer
 - Create Invoices
 - Maintain Customers

Challenges

- Microsoft CRM Database used through web services as portal do not have any database
- Complex stock transfer and return process with authorization
- Descriptive and complex invoice to be printed in PDF format

Solution

- Web Portal is created using ASP .Net MVC 5 (for UI), Crystal Report for reports, SVN for version control.
- As per role access, menus and data will be displayed to the logged in user.
- Database accessed with web services. All data related activities are done using web services.
- All portal processes are coupled with Microsoft CRM system.
- Dashboard designed with all important information visible on home screen.