

Commodity Trading Portal For National Multi Commodity Exchange

BANKING & FINANCIAL SERVICES – COMMODITY TRADING PORTAL – DNN 5.1 / .NET 3.5

Client Overview

About Client: Client facilitates electronic derivatives trading through robust and tested trading platform, Derivative Trading Settlement System (DTSS), provided by CMC. Client follows best international risk management practices. Client was the first commodity exchange to provide trading facility through internet, through Virtual Private Network (VPN).

Requirement Overview: Client wanted to revamp their existing website to the new technology platform with multiple implemented features and functionalities. The implemented website is based on Content Management System.

Solution: The proposed solution will be the CMS based within DNN (Dot net Nuke) 5.1, .Net framework 3.5 over the Window Server 2003 Platform along with the MS SQL 2008 Server Database. When an order is placed on the exchange, the server placed at Client scans through the orders posted on it from all its trading terminals. It then locates and matches the best counter-offers/bids by maintaining anonymity of the counter-parties. Anonymity helps in eliminating formation of cartels and other unfair practices, thereby protecting the efficiency of price-discovery at the Exchange.



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Project Description

The commodity web portal is developed in the DNN based platform. Main purpose of this project is to manage the content of the website and generate the reports according to the change in the commodity price whether it's on daily basis or weekly basis or monthly basis; According to the price of commodity we had generated reports with Charting functionality

Objectives

The Project Objectives were:

1. There is a ticker facility which updates the data on every 60 seconds.
2. In the NMCE project, there is a Live Market Picture page which refreshes the commodity data with Trade Price Increase / Decrease.
3. Integrated Price Conversion calculator, Module for General Inquiry, Photo Gallery.
4. Charting features based on the live data for the commodity and create the chart same as the old website contains.

Key Challenges

New development will use the existing database and generate the chart same as the old website with mouse hover functionality in the chart.

Project Approach / Activities:

The Project was divided into various phases to achieve the best results in less time with optimal utilization of available .Net features, capabilities and new enhancements.

Phase I: Understand client system requirement approach with the technology platform and create Software design development approach and send it to client to let them know our understanding.

Phase II: Approved design by client has been incorporated into the development.

- Design has implemented into the specific technology platform.
- Started to work on development.

Phase III: Development is based on module requirement as per the existing website.

Phase IV: Deployment phase has done to the client side.

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Technology

Development Environment

Technology	Specifications
Technology & Framework	Magento-1.7.x
Languages	PHP 5+
Operating System	Windows XP / 7
Database	MySQL 4x
Web Server	Linux Server

Deployment Environment

Technology	Specifications
Technology & Framework	Magento-1.7.x
Languages	PHP 5+
Operating System	Linux
Database	MySQL 4x
Web Server	Linux Server

Duration

Project Man Hours: 338 Man Hours

Project Life Cycle: 41 Days

Results

The website has developed and deployed over the client server. The website is running successfully currently.

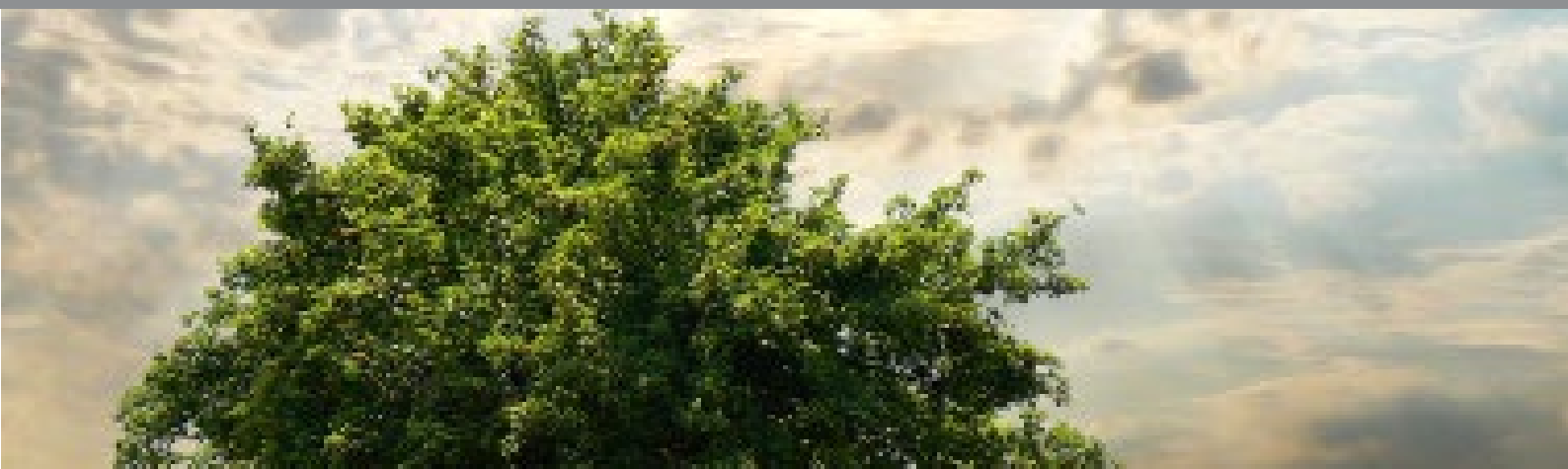
Benefits

1. Website visitors are able to do online trading using this electronic robust facility.
2. Website visitors are able to do online trading using internet through the virtual private network (VPN).

Key Challenges

1. CBA & PayPal Express Checkout Integration
2. Getting automation of data feed for Amazon and Google shopping engine.
3. Product Page Customization with Color options using Color Swatch Extension integration.





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