

Case Study | UX & Re-engineering



E-commerce Web Application for Online Shopping and Service Industry

About Client

A Nigeria-based online shopping and services organization.

Technology Used

Java, Struts, Hibernate, Spring, Tomcat, and Oracle

Business Benefits

- Integrated website with e-commerce and consumer services features
- One stop shop for all internet services

Business Challenges

- Our client was initially using Access Terminals for their business. Wanting to expand the business, they wanted to provide all the services on the web
- The web portal should be deployed to open source servers, and it should be integrated with Payment Gateway services like Interswitch, eTranzact, VISA, and Virtual Card so that their end users can choose their card and make online payments for their purchases
- The application should be a one-stop-shop for all kinds of internet services ranging from Payments to Telecommunication services

Solution Provided

Designed and Developed an e-commerce web application using J2EE Open Source frameworks like Struts, Hibernate, and Spring, and deployed the application in Apache/Tomcat servers

This app facilitated the following processes:

- Event Registration such that users could book tickets online for these events
- Addition of Hotels so that Users could choose the hotel and menu and Order their food online
- Bill Payment services for Electricity, Water, College Fees, etc.
- Sending SMS online and purchasing Airtime prepaid cards
- Making online payments for the above services using Interswitch/ETranzact/VISA/Virtual Cards
- Maintaining transaction history, and searching through operations and exporting transaction details in PDF or Excel

