

BROADWALK

Abstract

*The project entitled “BROADWALK DEALERS NETWORK” is developed for organization of “NAVEEN TILES Pvt. Ltd” located in Rajasthan. The developed system helps the organization to receive orders through online for product **tiles** that can be supplied by the organization.*

This Activity includes three modules customers, dealers and administrator. Customer module facilitates the customers to place order through online, and can view catalog information provide by organization. In this module each customer order will be verified to determine whether author dealer existing in the area specified by customer. If dealer existing then the customer order will be redirected to corresponding dealer otherwise those orders will be registered as direct customers orders to Administrator.

Dealer module facilitates authorized dealers to customer orders status in their area, to place order ,to manage their details in Administrator records.

Administrator module facilitates the Administrator to view direct customers order status, dealers order status and also to maintain transport charges info and products catalog information.

Administrator can also appoint new dealer and remove existing Dealer.

The project developed on platform windows98 using software HTML,JSP,JDBC, JavaScript, Java mail and jdk1.4 with backend database Oracle 8.0.

Existing System

In current system the organization of HMR Electronics receiving orders from customers and dealers through tele-services and postal services and maintaining the related details manually. The current system is paper based. Due to lack of communication company loosing its orders and they are unable to dispatch registered orders as per customers and dealers requirements. Also due to unavailability of sufficient information about organization Customers sending their orders directly to organization even though authorized dealer existing in their area. And also due to lack of communication organization is not able to provide updated catalog information to dealers and customers.

Limitations of the Existing system:

- *Enormous amount of time consuming for receiving orders.*
 - *Errors can occur during registration of orders through teleservices.*
 - *Maintaining details of various customers and dealers manually is complex.*
 - *Difficult to generate required reports.*
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Proposed System

A proposed system has been devised for the company for receiving orders online. This system is provide the customer with order form and in turn receives order from customer as well as k information. customer can place order by viewing catalog provided by the Administrator and custom order can be redirected to that dealer. Administrator maintains catalog information for providing Dealers and Customers differently. Administrator can change the products information, add new produc and remove any product's information from the catalog. This system is to enable the applicants to apply for dealership. These applications are valid for only 6 months from the date of applying. Administrator whenever needs to appoint new dealer for particular area verifies applications received from that are and Basing on the Marketing Experience of the applicants Administrator will appoint the new dealer. After appointing the dealer, Administrator send Dealer id and password to the newly appointed dealer.

Scope of the System

This system stores all information regarding direct customers, customers through dealers and dealers. It provides information regarding orders registered and generates relative reports to both Administrator and to authorized dealers. The scope of the system is only Online Ordering, maintaining Information regarding authorized dealers and maintaining products catalog.

Module Description

This system consists of 5 modules :

1.Registering Customer Order:

The aim of this module is to provide the customer with order form and in turn receives order from customer as well as his information. customer can place order by viewing catalog provided by the Administrator. After receiving order Administrator verifies whether there exists dealer in the area specified by customer or not .If authorized dealer exists then corresponding customer order can be redirected to that dealer. Otherwise the customer will be treated as direct customer, Customer can also specify his requirement, basing on which, dispatching will be done. Customer should also specify his mode of payment for each order.

2.Applying For Dealership:

The Dealership application is presented in the module to enable the applicants to apply for dealership. These applications are valid for only 6 months from the date of applying. Administrator whenever needs to appoint new dealer for particular area verifies applications received from that area and not expired .Basing on the Marketing Experience of the applicants Administrator will appoint the new dealer. After appointing the dealer ,Administrator send Dealer id and password to the newly appointed dealer. At any time the administrator will have the right either to appoint or remove a dealer.

3.Existing Dealer Module:

This module deals with providing information to existing dealer. Any authorized dealer can login using his dealer id and password. If he is an authorized dealer he can view the information in respect of the customer and his order and also the payment details. Basing on the availability of stock and requirement of customers he can place order to Administrator. Dealer can also view products catalog which is different from catalog provided to customers. By viewing this catalog he can estimate the profit. Dealer has also been provided with facility of modifying his Information currently existing in Administrator records.

4.Products Catalog:

Administrator maintains catalog information for providing to Dealers and Customers differently. Administrator can change the products information, add new product, and remove any product's information from the catalog.

5.Management Module:

This module facilitates the Administrator with complete information of direct customers' order, payment and etc at any particular time. He can also view the dealers information as well as their order and payment particulars. Administrator can also view the orders for dispatch between specific dates. He can also view the comment and suggestions sent by customers and dealers. Administrator also need to maintain transport charges Information and Products Information. Administrator is also provided with data on authorized and unregistered dealers list which helps him to appoint new authorized dealer. In this way by maintaining all the information regarding customers and dealers the

organization can get expected orders and good response.

Features to be implemented

- *Session management*
- *Connection pooling*
- *Normalized database*
- *Prevention of duplication login*
- *Design patterns*
- *Three-tier architecture*
- *Maintainability*
- *Easy deployment with Ant script.*
- *Exception handling*
- *Client-side validations*

Technologies to be used

- *Web Presentation: HTML, CSS*
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- *Client – side Scripting: JavaScript*
- *Programming Language: Java*
- *Web based Technologies: JNDI, Servlets, JSP*
- *Database Connectivity API: JDBC*
- *Build Tool: ANT*
- *Debug Tool: Log 4J*
- *CASE tool: Rational Rose, Visual Paradigm, Enterprise Architect*
- *Backend Database: Oracle/SQL Server/MY SQL/MS Access*
- *Operating System: Windows XP/2000/2003, LINUX, Solaris*
- *J2EE Web/Application Server: Tomcat/Weblogic/Websphere/JBoss/Glass Fish*
- *IDEs: Eclipse with My Eclipse plug-ins/Net Beans/RAD*
- *Browser: IE/Mozilla*

Hardware requirements

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| • <i>Pentium processor</i> | ----- | <i>(PIV) 1.06 GHZ or above</i> |
| • <i>RAM Capacity</i> | ----- | <i>256MB</i> |
| • <i>Hard Disk</i> | ----- | <i>40GB</i> |
| • <i>Floppy disk</i> | ----- | <i>1.44 MB</i> |

- *CD-ROM Drive* ----- *32 HZ*
 - *KEYBOARD* ----- *108 Standard*
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