

Fugi Distributions

Abstract

The intention of this project is to automate different functionalities of a Transmitter Manufacturing company Fugi Electrical Limited. There are different types of transmitters and each transmitter has many specifications. It is very tedious process for the customer to select a particular transmitter manually.

So to ease the process, In this project we are giving option for the admin of the company to enter the specifications of each transmitter in to the site. He can alter the product details later on and he can also delete a product from the list. He has the privileges to perform different operations on the product.

Customers can login to the site and they can view the details of different transmitters and can select the product with the specifications that he wants. After selecting a particular product with the specification of his need, he can order the product.

This project helps the company people to maintain the details of different transmitters efficiently. It also helps the customers to choose a particular product by looking at all the product details.

Existing System

*Fuji company products have very good demand in the market. Due to the increased sales it is very difficult to perform all the operations through manual approach. As of now, the company was unable to satisfy all the customers. So they approached ***** (company name you developed) to develop a software, which makes the entire process easier and flexible. So that they can satisfy all the customers and also meet the increasing global demand for their products. The system developed had to be available throughout the world in Internet.*

The entire process is very complicated lengthy and tedious. Moreover marketing personnel need to carry a hefty manual to refer to the code.

Due to the increasing demand for the product around the world, through manual approach of the company was unable to satisfy all the customers.

Proposed System

So they approached CS software Enterprise Limited to develop the system, which makes the entire process easier and flexible. So that they can satisfy all the customers and also meet the increasing global demand for their products. The system developed had to be available throughout the world in internet.

We need to develop a system, which will give full information about the company and its products. The

system also is an interactive and user friendly one .The system is flexible enough to cope up with the changing trends of the company.

The system provides an easy way of selecting a particular transmitter and also is able to give an easy way of selecting the properties from the specifications of a particular type of transmitter. There should be no difficulty for the user to generate the Quotation for the selected database. The system provides the interface for the database backup i.e. if the company wants to change, modify and update any information.

Scope of the System

Presently the scope of this project is, it helps the company people to maintain the details of different transmitters efficiently. It also helps the customers to choose a particular product by looking at all the product details. Any specification-untraced errors will be concentrated in the coming versions, which are planned to be developed in near future.

Module Description

This project is having four modules

1. Administrative Module

2. Transmitters Module

3. Process Module

4. Customer Module.

1. Administrative Module

This module mainly deals with creation of different users and all the updations regarding the stocks of the different Transmitters and also

Upgrading the features of the different Transmitters

2. Transmitter Module

This module gives the details of Seven Transmitters and their features

- *Absolute pressure transmitter*
- *Pressure transmitter*
- *Remote seal type transmitter*
- *Differential pressure transmitter*
- *Remote seal type differential transmitter*
- *Flow transmitter*
- *Level transmitter*

The following are the model specification

1. *Type*
2. *Connection*
3. *Span*
4. *Material*

5. *Indicator and arrester*
6. *Explosion proof structure*
7. *Process connection*
8. *Optional Specification*
9. *Special application and fill fluid*
10. *O-ring material*
11. *Vent/Bolt*

The most important specification in all these are the static pressure and span limit. Only static pressure and the span limit do not have any defaults. The user needs to enter the values. Remaining all are assigned to default values.

3. Process Module

In this, module deals with process of the quotation submitted by the customer and generating the code.

Each of these Model Specification is further divided into two different transmitters. Based on the type of the transmitter, they are named as 'A-series' or 'C-series' there are fifteen set of specifications and each specification contains set of properties. Combination of properties that are derived from each specification defines the actual transmitter. Each property in a specification corresponds to a particular code. The code corresponding to the property from each specification is taken into a table. After generation of the code the quotation is prepared.

Customer Module:

This module stores the details of all the customers for future contacts of the company. The details given by the customer in entry login by Registering in the site, will be stored in the Company database.

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*
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Technologies to be used

- *Web Presentation: HTML, CSS*
- *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

- *Pentium processor ----- 233 MHZ or above*

- *RAM Capacity* ----- *128MB*
 - *Hard Disk* ----- *20GB*
 - *Floppy disk* ----- *1.44 MB*
 - *CD-ROM Drive* ----- *32 HZ*
 - *KEYBOARD* ----- *108 Standard*
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