

Label Printing Desktop Application For Roxul-Rockwool Technical Insulation India

MANUFACTURING – LABEL PRINTING APPLICATION – VB.NET / C#

Client Overview

About Client: An India based joint venture Company is manufacturing an extensive range of stone wool insulation products in the area of Special Economic Zone at the powerful commercial state of India. The planned capacity of the organization is around 30,000 tons of stone wool products per year. The company has various branches across the globe and preferred suppliers of products, systems and solutions for improved energy efficiency, acoustic performance and fire safety in buildings.

Requirement Overview & Challenges Ahead:

Client wanted Silver Touch to assist in designing and development of a new & more robust desktop based printing application for 3 types of labels using English language, working in a Standalone environment using .Net based technology platform over MY SQL server database. The printing labels needs to be printed with advance design objects (Certification Symbols) but without barcodes.

The Solution: Silver Touch has provided highly comprehensive solution; where in the authorized users can have the application access as per the assigned privileges. The proposed application will have two types of users such as Administrator (Master User) and Operator (End User). Operator will be able to print the labels using the relevant interface where as the Administrator will have the rights to manage the entire application features and functionalities like creating other users (Operators/End users only), Manage master and generate reports (Master Listings). The proposed application will not have any interface or integration with any other computerized system like SAP etc.

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Project Description

The main objective of this application was to create desktop based interface which can support to their operators to create and design three different types of labels using English language and without barcode. The operator user will be able to access following three Interfaces for printing the three types of labels as per the three categories of the products (SL/WM/PS):

- 1.SL (Slab) Label Printing
- 2.WM (Wire Mesh) Label Printing
- 3.PS (Pipe) Label Printing

- The operator users will able to print the labels within the size of 4"x6".
- The operator users will able to print the label in Black color.

The entire features and functionalities of the application and user's roles responsibilities to access the application will be managed by super administrator.

Objectives

The Project Objectives were:

1. Need to create of up to 2 important user roles such as:
 - 1.1. Super admin
 - 1.2. Operators (Staff User)
2. Application accessible functionalities:
 - 2.1. Allow operators to create three different types of labels in only one language (English) platform.
 - 2.2. Allow super admin to manage the application features and functionalities.

The screenshot shows a desktop application window titled "Rockwool 231". It features a form for inputting product details and a preview of the label. The form includes fields for Material No. (28-Rockwool 231), Length (1000), Thickness (25), Width (100), Planned Order No., Piece / Pack (10), Pack in M2 (10), Fire Class (A1), and Work / User (11 / 2011). Below the form is a "Print" button. The label preview shows the Rockwool 231 logo, a diagram of the product, and the following text: "ROXUL FIRESAFE INSULATION", "Rockwool 231", "1000 MM", "10 No.", "10 M2 Pack", "FIRE CLASS: A1", "Material Code No: 28", "Planned Order No", "Work/Year: 11 / 2011", "EUCED Certification", and "Rockwool Revolution India PVT. LTD. Plot - 214, Sector 5E2, Estate, DLF, Gurgaon - 122 016, Gurgaon - India".

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Approach – One More Step Ahead Towards Success

The Project was divided into 3 different phases:

- 1. Phase 1:** At the initial time of the project we have done analysis on the Prototype for the System Flow, Database Design.
- 2. Phase 2:** In the second stage of the project development, we started work to create a desktop based application including all master Modules/Interface and rich User Interface.
- 3. Phase 3:** In the final stage of the development, we have done Setup of testing environment (same as the production environment) using dummy data

Technology

Development Environment

Technology	Specifications
Technology & Framework	ASP.Net 4.0
Database	SQL Server 2008 Database
Languages	Vb.net
Operating System	Windows 2007
Web Server	IIS 6.0

Deployment Environment

Technology	Specifications
Technology & Framework	ASP.Net 4.0
Database	SQL Server 2008 (Express Edition)
Languages	Vb.Net/C#
Operating System	Windows 2007
Web Server	IIS 6.0

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Duration

1. Project Man Hours: 245 Man Hours
2. Project Life Cycle: 45 Days

Results Achieved

Application users are now able to create and print different types of labels with accuracy and very effectively. This application is now saving their lots of time for preparing labels.

Benefits

- The intended benefit of this application is to enable the administrator to manage the entire application features and functionalities within an easy & efficient manner.
- The desktop application will provide support to the operators to create the labels within three different types using English language.
- Operators will able to create labels without barcodes along with advance design.

Accomplishment

1. Operator can access entire application within their access privileges
2. Rich user interface
3. The objective of these PRODUCT masters is to reduce the input efforts and increase the efficiency of the Operator (End User) in label printing task.
4. During actual process of printing labels when Operator (End User) will have ITEM CODE as a first input in screen, when item code is selected rest of all predefined input parameters will be auto populated.

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Deliver best products, software solutions and services, on time with quality, and as per customer expectations

About SilverTouch

SilverTouch, a company established in 1992 is widely accepted for its IT solutions with a huge customer base in more than 20 countries across the world.

SilverTouch is actively engaged in Enterprise software development, enterprise content management, document management and IT consulting services such as Business process optimization, process consulting, implementation and customization of ERP. SilverTouch leads brilliantly in new technical developments such as: Mobile Application development services on iPhone, iPad, Blackberry, Android, J2ME and Windows mobile platforms. Even now, SilverTouch helps its global clients for major developments, deployments and managements of their mobility solutions and enterprise application development programs.

SilverTouch has alliance with several industry leaders such as Microsoft, Apple, Cisco, IBM, Oracle, SAP, Java, Dell, VM ware, Symantec, Sonic Wall which provides a competitive edge over other industry peers and targets to understand and cater to all types of requirements that concern our clients, thereby, leading to serve them precisely to their satisfaction.

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