

Project Specifications

Easy Export Management System

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1. Abstract

This project is to manage the export activities of the organization, which exports different kind of goods to their customers across the globe. The application should provide customers to order for the goods from any part of the world. Customers are registered organizations or firms in their countries. Every new customer has to register as a user to the site.

The goods can be sent to the customers by any means e.g. by air, road etc. The Performa Invoice and Documents Delivery Details should also be maintained by the application. The application takes care of different modules and their associated reports which are produced as per the applicable strategies and standards that are put forwarded by the administrative staff.

2. High Level Design Specification

The project contains the following main modules.

- Registration
- Customer
- Supplier
- Search
- Admin

- **Registration Module:**

This module allows the users to register themselves. The registered users can sign in to their account and perform the activities like order for the products, viewing export documents, MIS documents etc.

- **Customer Module:**

This module contains all the information about the customer. Customers are the registered persons who will select the product which they want to receive from the export company. They will place the order by selecting the available products.

- **Supplier Module:**

This module contains all the information about the supplier. Suppliers are the registered persons who will select the product which they want to supply to the exporting company. They will add the product details by adding in the available products page.

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- **Admin Module:**

This module allows the admin to perform admin activities. Through this module the admin can Do admin activities such as viewing the customer order, supplier products updates, export documents, viewing and generating reports etc.

- **Search Module**

This module is used to search the commonly available information on the site for both registered and unregistered users.

The Customer, Supplier and Admin modules are having different user names and passwords. If the user is selecting the Customer or Supplier or Admin menu it will open a login page.

3. Mandatory Requirements

- **User-defined exceptions must be generated.**

The following are the sample scenarios where user-defined exceptions required. Identify the other mandatory requirements and implement them.

- a. Entering Invalid user id
- b. Entering Invalid user name and password etc.

- **Primary Key and foreign key constraints must be specified in database design.**

- **Session management must be implemented.**

Session tracking or management must be properly maintained between the pages until the user log outs the session.

4. Best Practices

The development team must follow the best practices.

1. Coding Standard

- Methods and class names must be meaningful
- Meaningful names for variables
- Meaningful names for controls. To clearly identify the controls, the controls name can start with the control name followed by their functionality name

Sample

txtCustomerName – text field which is used to enter the customer name

btSubmit – button to submit the fields entry

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2. Validation for all the fields

- Missing of mandatory fields entry
- Entering numbers for name field etc.
- Identify the other required validation and implement them.

3. Layout design and arrangement of the controls must be proper in UI design

4. Title messages for each dialog and screen must be meaningful.

5. Deliverables Expected

- Project Documentation Report
- Database script file
- UI design document

6. Database Design

A partial database schema is given below. Additional tables or attributes may be added as per requirement. These database tables are samples only.

CUSTOMERS

Field	Description
Cust_Id	Customer Id
Fname	First Name
Lname	Last Name
Age	Age
Gender	Gender
Emailid	Email ID

PRODUCTS

Field	Description
PId	Product Id
PName	Product Name
Sid	Supplier id

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Cost	Cost
Features	Features
Discount	Discount

SUPPLIERS

Field	Description
SId	Supplier Id
SName	Supplier Name
City	City
Address	Address
Phone	Phone
Mail	Mail

ORDERS

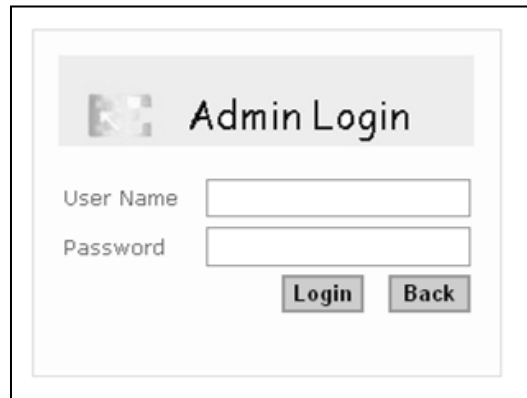
Field	Description
Old	Supplier Id
Products	Products Ordered
CId	Customer Id
ODate	Order Date
DDate	Delivery Date
Description	Order Description

LOGIN_DETAILS

Field	Description
User_Id	User Id
Password	Password
Role	Role of the user must be any of the three customer, supplier or admin

1. SCREEN DESIGN

User Login

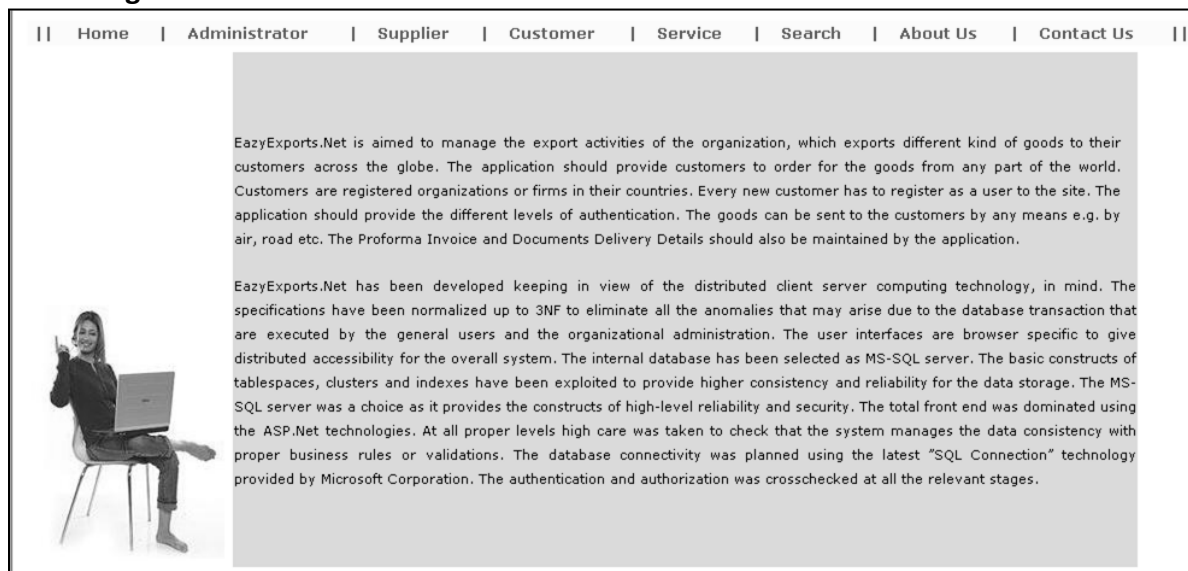


The Admin Login screen features a light gray header with a small icon and the text "Admin Login". Below the header, there are two input fields: "User Name" and "Password". At the bottom right, there are two buttons: "Login" and "Back".



The Supplier Login screen has a light gray header with the text "Supplier Login". Below the header, there are two input fields: "User Name" (containing the text "vardhan") and "Password" (containing eight dots). At the bottom right, there are two buttons: "Login" and "Back". Below the buttons, there is a link: [New Supplier Register](#).

Home Page



The Home Page design includes a navigation bar at the top with the following links: Home, Administrator, Supplier, Customer, Service, Search, About Us, and Contact Us. The main content area is divided into two columns. The left column features a photograph of a woman sitting on a chair, using a laptop. The right column contains two paragraphs of text. The first paragraph describes the purpose of EazyExports.Net, which is to manage export activities and provide a platform for customers to order goods. The second paragraph details the technical specifications of the application, including its use of MS-SQL server, ASP.Net technologies, and its focus on data consistency and security.

EazyExports.Net is aimed to manage the export activities of the organization, which exports different kind of goods to their customers across the globe. The application should provide customers to order for the goods from any part of the world. Customers are registered organizations or firms in their countries. Every new customer has to register as a user to the site. The application should provide the different levels of authentication. The goods can be sent to the customers by any means e.g. by air, road etc. The Proforma Invoice and Documents Delivery Details should also be maintained by the application.

EazyExports.Net has been developed keeping in view of the distributed client server computing technology, in mind. The specifications have been normalized up to 3NF to eliminate all the anomalies that may arise due to the database transaction that are executed by the general users and the organizational administration. The user interfaces are browser specific to give distributed accessibility for the overall system. The internal database has been selected as MS-SQL server. The basic constructs of tablespaces, clusters and indexes have been exploited to provide higher consistency and reliability for the data storage. The MS-SQL server was a choice as it provides the constructs of high-level reliability and security. The total front end was dominated using the ASP.Net technologies. At all proper levels high care was taken to check that the system manages the data consistency with proper business rules or validations. The database connectivity was planned using the latest "SQL Connection" technology provided by Microsoft Corporation. The authentication and authorization was crosschecked at all the relevant stages.

Adding New Products

Add New Product Details

Product Name

Cost

Discount

Image

Company

Manufactured Date

Quantity On Hand




Features

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v

Warranty

Products List

Product List		
ProductName	ProductId	photo
computers	1	
books	2	
chairs	3	

Search

☐ Serch By Id ☒ Search By Name

personalid	10
firstname	raju
lastname	j
gender	Male
mobilen	9963062623
contactno	9963062623
email_id	raju@gmail.com