Simform Solutions Private Limited

Project Title:

Inventory Management System

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Abstract

Here we are building a website for inventory system which can manage client side and also admin part.

For the client side any third party can visit this website and check all the products which are sold by the client and also place an order for any product. Here third party can also login and make payment of the products online using payment gateway. Also, customer can track the package and view the bills and they can print it.

For the admin side client can check all the orders that are being processed and also check payment status. And also, client can easily see the analytics of the business based on some filter. So, we can say with the help of this website client can check and analyze their business from anywhere from the world where internet is available.

2. Introduction

2.1. Brief Introduction

This is a project for Inventory System that simulate the balance between client-side product show and admin panel where client can view and analyze the analytics of the business. Also, customers can place an order and also make payment using payment gateway service.

2.2   Tools/Technologies Used

Technologies: Laravel 8.0
            MySQL

Platforms: PHP 7.4

Tool: Visual Studio Code 2019
             Microsoft SQL Server Management Studio 18

3. Software Requirement Specifications

3.1 Types of Users: -

1. Customer (Third Party Consumer)
2. Admin (Owner and staff of the company)

3.2 System Functional Requirements

R.1. Login and Registration

Description: You must first login to the website to place order or initiate payment service or to access admin controls.

R.1.1. Registration

Description: Registration is available only for third party customers. Admin and office staff can`t apply for registration those rights are given to them by the either admin or any higher authority.

Input:

User Name

Password

Confirm Password

Customer Number

Email-id

Mobile Number

Permanent Office Address

Permanent Resident Address

Company Name

Company Logo

Output: It display success message if customer successfully able to registration to the website. And Fail or error message if customer is not able to register to the website.

Process: Registration will ask the customer for given input`s and by verifying that given input and if all the input are verified successfully then it will create new account for this customer and display necessary details at the time of showing success message. And redirect it self to the login page.

R.1.2. Login

Description: To Login to your account of the bank.

Input: User ID

Password

Output: Success Message if input is matched and if input detail not matched then it displays error message.

Process: This will check username and password to the database of the website and check that the authenticated user is admin or customer based on that it redirects to the next page.

R.2. Client Profile

Description: Here we are providing details about customer profile page. In addition to that we are giving controls to the customers to change their personal detail

like company name, mobile number, email address, password etc.

R.2.1. Change account password

Description: By conforming that last password is correct and after that website gives us form to enter new password and change that.

Input: Old Password,
New Password,
Confirm New Password

Output: Success or Failure Message

Process: Here first of all we check old password if it matches to the database it tells customer to enter new password and change that password.

R.2.2. Change Customer`s Personal Details

Description: Here customer is given choice to change to change the his/her company`s personal details at any time.

Input: Parameter to be changed

Output: Success or Failure Message.

Process: Based on the input parameter website will check which parameter needed to be changed and change the parameter in to the database and return to the client profile page.

R.2.3. Order Details

Description: Here Customer can see the list of all the order and also details of the order.

R.2.3.1. List of orders

Description: Here Customer can see the list of all the order placed by him/her.

Input: Customer ID

Output: List of previous orders.

Process: Fetch the list of orders for the current customer ID and show that using data tables.

R.2.3.2. Show Order Details

Description: This shows the detailed report about the report we chosen for.

Input: Order Id

Output: Detailed page of the current Order ID with the payment link if it`s not done yet.

Process: Get the all the details about that order from the database

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using the order ID given and show it on this page.

R.2.3.3. Payment Gateway

Description: This page is redirected when payment link is clicked by the customer.

Input: payment link and other details need to complete that payment

Output: Redirected to payment gateway registered.

Process: When this payment link is clicked website redirected to payment gateway with the necessary details needed to complete the payment.

R.3. Public Pages (Access with/without login)

Description: This are the main website pages which are accessible by the any third-party customer with or without registration/login.

R.3.1. Show Brochures

Description: Show list of documents (brochures) made for different products.

Input: Nothing

Output: List of documents showing brochures

Process: Fetch the list of documents from the specific folder and show it on

this page.

R.3.2. Quality Testing

Description: Show the details about the quality testing the products are going to pass from.

Input: Nothing

Output: List of Tests and its results

Process: Fetch the list of documents containing test and results from the database and show it on this page.

R.3.3. Product Category

Description: This shows the list of categories provided by our company

Input: Nothing

Output: List of Cards containing image of the category and name of the category

Process: Fetch the list category of the product from the database and show it on this page.

R.3.4. Show Product List

Description: Show the list of products available in the selected category is

shown here.

Input: Category Name Selected

Output: List of cards showing product image and product name for the selected category

Process: Fetch the list of products from the database for the selected category shown here.

R.3.5. Product Details Page

R.3.5.1. Product Details Page

Description: Show the in-depth detail of the product selected.

Input: Product ID

Output: Product details with the image and necessary details

Process: Fetch the details of the product using the product id from the database.

R.3.5.2. Product Quote Data

Description: Show the in-depth detail of the product selected.

Input: Product ID,

Name,

Contact Details,

Product Extra Info,

Quantity Needed

Output: Estimated cost that needed to pay mailed to the given mail and return to show product page

Process: Fetch the base cost of the product from the database and Based on the product and it`s extra features calculate the approximate cost and mail it to the end user.

R.3.6. Subscribe to Mail Letter

Description: Show the prompt to subscribe to mail letter service.

Input: Email ID

Output: Success message.

Process: On the press of submit button email is going to subscribe and added to database.

R.4. Admin Pages

R.4.1. CRUD Operations

Description: This page server all type of CRUD operation for pages that loads dynamically for any third-party users.

Input: Need Information

Output: Success or Failure message.

Process: On the basis of the selected event and based on the input parameters CRUD operation are done.

R.4.2. Analytics of the business

Description: This page server all type of analytics performed on the data and business based on some calculations and accounts data.

Input: Nothing

Output: Analytics with the chart and graph-based data to see how business is performing.

Process: By opening this form a page is load after performing some basic and complex calculations and show it in the form of graph and text so that any user can easily understand how his/her business performing.

3.3   System Non-Functional Requirements

R.1. Public Pages (Access with/without login)

Description: This are the main website pages which are accessible by the any third-party customer with or without registration/login.

R.3.1. Home page

Description: Home page contents for the company website.

R.3.2. About Us

Description: Show the background and other important details about company/firm.

R.3.3. Contacts Us

Description: This page shows the contact details for the company.