

Dreamhome : A Web-Based House Building Cost Estimator

BY

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This Report Presented in Partial Fulfillment of the Requirements for the
Degree of Bachelor of Science in Computer Science and Engineering

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DAFFODIL INTERNATIONAL UNIVERSITY

DHAKA, BANGLADESH

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APPROVAL

This Project titled “**Dreamhome: A Web-Based House Building Cost Estimator**”, submitted by Md. Ali Bhuyan Razu, ID No: 171-15-8566 to the Department of Computer Science and Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.Sc. in Computer Science and Engineering and approved as to its style and contents. The presentation has been held on 5th December, 2019.

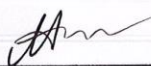
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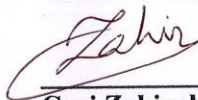
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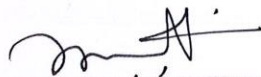
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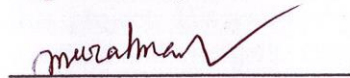
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I hereby declare that, this project has been done by us under the supervision of **Md. Riazur Rahman, Senior Lecturer, Department of CSE** Daffodil International University. We also declare that neither this project nor any part of this project has been submitted elsewhere for award of any degree or diploma.

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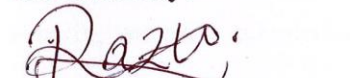
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I really grateful and wish our profound our indebtedness to **Md. Riazur Rahman, Senior Lecturer**, Department of CSE Daffodil International University, Dhaka. Deep Knowledge & keen interest of our supervisor in the field of “*Field name*” to carry out this project. His endless patience ,scholarly guidance ,continual encouragement , constant and energetic supervision, constructive criticism , valuable advice ,reading many inferior draft and correcting them at all stage have made it possible to complete this project.

I would like to express our heartiest gratitude to our Head, Department of CSE, for his kind help to finish our project and also to other faculty member and the staff of CSE department of Daffodil International University.

We would like to thank our entire course mate in Daffodil International University, who took part in this discuss while completing the course work.

Finally, we must acknowledge with due respect the constant support and patients of our parents.

ABSTRACT

My Dream Home project is to provide online shopping applications for an existing store within a web-based shopping system and the objective website platform. This project helps to purchase building materials from anywhere on the Internet through the website and provide online shopping facilities to the customers of the website. The best work of this website is to calculate the minimum and maximum cost of building or building material. This way the customer will get online shopping and home delivery service. This online shop is providing an online portal where their customers can enjoy easy shopping from anywhere, no more losing customers to trending online shops like Flipkart or eBay. Since the application is available on computers and smartphones it is easily accessible and always available.

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CHAPTER 1

INTRODUCTION

Dream Home is an Online Deal Executive Programming Venture that provides utility for admins and vendors. The system enables only registered clients to login and new users are allowed to register in the application or be offered an online application.

1.1 Objectives

The main objective of Web based Dream Home is to provide the best product to build your dream home. all kind of support that's you need, we providing those things in my online base system. It is an automatic system. This system is basically aimed to provide organize and complete control over Constriction product, architecture, reports, summary etc.

The goals of our system are:

- To provide flawless event Point of Sale dashboard.
- Admin/Seller will have the total control over the sell and manage another part.
- Admin can fully manage the system.
- Add seller
- Online Registration & Payment
- Reporting
- Handle Accounts & purchases.

1.2 Motivation

Many technologies have been created in this world. Computer is the best of them all. Before long, people used pens and paper to write documents. However, nowadays automated systems are being created to solve this problem. We were inspired by the Dream Home, the super shop. It

is extremely expensive and powerful application. So, we plan to develop this for saving effective cost.

Today will be yesterday and tomorrow will be today. We think our website will help small, or medium-sized enterprise organizations. Project work About designing, developing and hosting Dream Home for businesses About the system developed using MySQL for HTML, CSS, PHP, jQuery and databases.

1.3 Expected Outcome

My project is to provide an administrator one-stop dashboard for managing, And client have another dashboard to maintainers their regular work or visiting our services. This project help people to know all kind of basic knowledge about home built-up. However, the vendor has the opportunity to send the defective product to the head office, view the stock report by branch and so on. The salesperson can also create sales reports or summary reports. The system will be able to work on any web browser platform and can be accessed anywhere through the Internet. The system will also be protected as it will effectively protect the privacy and confidentiality of the data.

1.4 Report Layout

We know, overall that rational information can really compare to estimates. In our graduation degree we are introduced to a ton of things. This initiative gives us an extension to share insights and use our concept. By doing this, my project can run our trends more successfully. the volume of the issue and, moreover, the difficulty of our actions. my third section is about predetermined determinations which are case demonstration and illustration, continuous information display, planning requirements. The fourth section depicts the image of my entire site, which is identified with planning specifications such as frontend configuration, back-end structure, connection structure and UX, using prerequisites. my fifth section is about Usage and Testing. It includes the use of databases, front-end plans, connections, test performance and test results and reports. In

our last section the complete task is completed. This report covers our web structure, its concerns, its structure and use.

CHAPTER 2

BACKGROUND

2.1 Introduction

The Dream Home is the management of the business by making sales, adding products, selling reports, services, summarizing and managing account related tasks etc.

The Dream Home involves studying the complexity of the brand, identifying the target audience, building the concept of the event, planning the logistics, and integrating the technical aspects before launching the event. Post-event analysis and ensuring return on investment have become important drivers for the event industry. The recent growth of events as an industry around the world means that management can no longer be ad hoc. Events like Asian Games have a huge impact on their communities and in some cases throughout the country. Many industries, charities and interest groups hold events of some size to market, create business relationships, raise money or celebrate.

2.2. Organization Events Scenario

Many companies organize many national and international events. It's simply organize some event those are help our people and business growing up. We are focused to middle-level and high-level business member those are our client and business partner.

2.3 Sales Collaboration

Dream Home streamline retail operations by robotizing the exchange method and following important deal information. The required frameworks include an electronic money registrar and programming to collect day-to-day information purchased. Continuous on product highlights, stock changes, net returns and deal designs. Utilizing integrated innovation in the pursuit of information enables retailers to find value or revenue inconsistencies that may interfere with profit margins or deals. POS frameworks that enable screen stocks and purchase patterns to stay away from client administration issues, for example, out-of-stock deals, and advertising for bargain acquisition and shopping behavior.

2.4 Related Works

This Dream Home-sale System, provide, automation software, business invoice programs, customer relationship management (CRM) software, sales management software etc.

2.4.1 Dream Home-sale System

Welcome to Dream Home Sale System, here you will find a very exclusive selection of properties available together with some of the most outstanding properties on the market and some of the best real estate deals available.

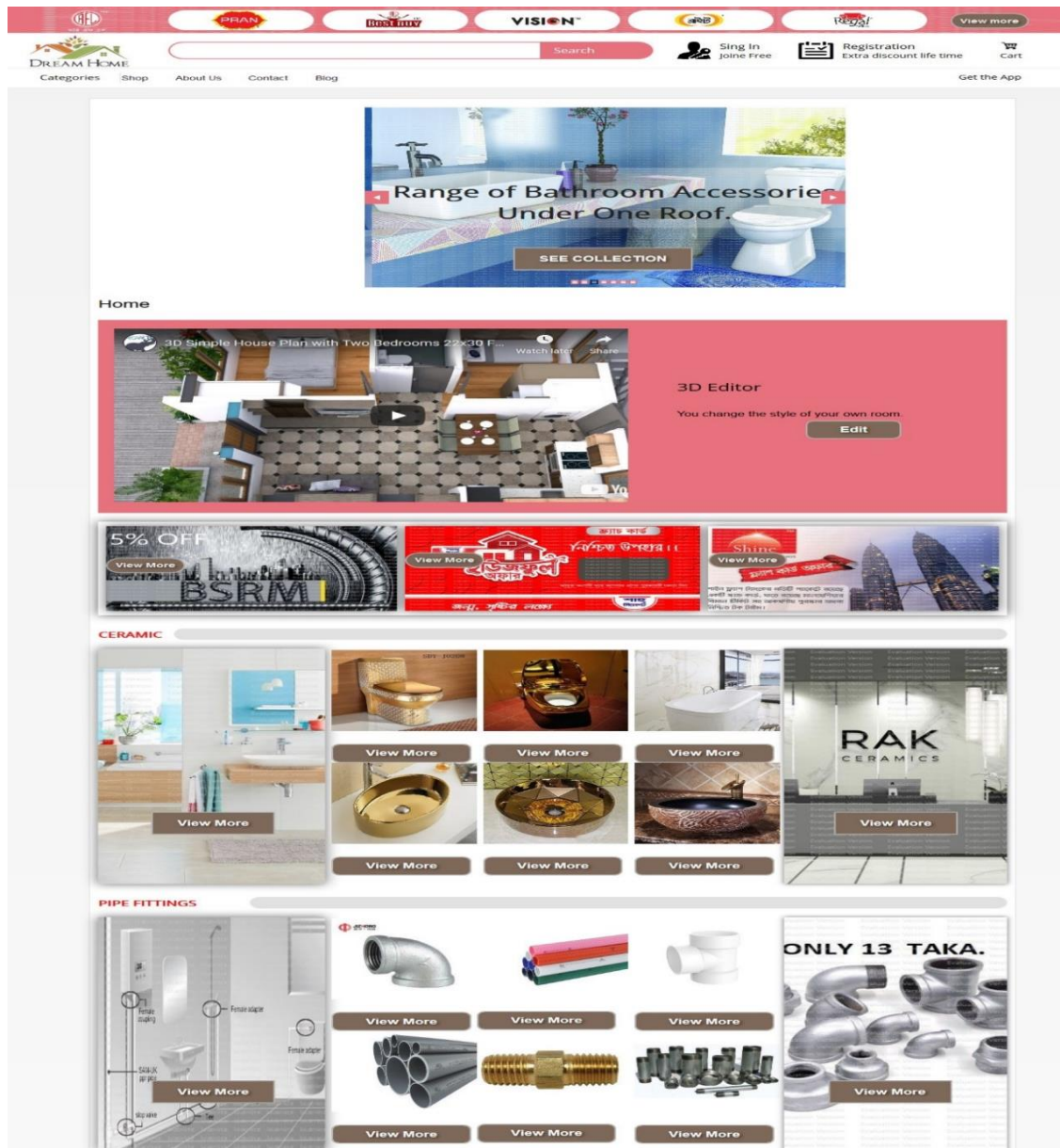


Figure: 2.1 Dream Home-sale System

Dream Home - Sales System is a monthly subscription-based system that can be purchased as a single system that integrates with your existing website. This system can handle bugging by managing sales and distribution such as customer, customer reports, track vendors.

2.4.2 Sale Management System

Inventor is easy to use in my store's sales center and you can use it on any device like your phone, laptop or desktop computer. You can make this a fully functional point-of-sale system by attaching a printer and cash drawer. It has almost all the benefits that can be automated, including inventory management systems, sales and purchase management systems, customer and employee management systems. Businesses check out the time I can spend with real time reporting.

The screenshot shows a checkout page with the following sections:

- Navigation:** Home, Shop, About Us, Contact, Blog
- Billing Details:**
 - First Name, Last Name, Company Name, Email Address, Phone No., Country (United States), Address (Street address, Apartment, Suite, Unit etc(Optional)), Town/City, State/Country (Select an Option), Post Code/ ZIP.
 - Create an account
- Shipping Details:**
 - Ship to a different address?
 - First Name, Last Name, Company Name, Country (United States), Address (Street address, Apartment, Suite, Unit etc(Optional)), Town/City, State/Country (Select an Option), Post Code/ ZIP.
 - Order Notes: Notes about Your Order, e.g. Special Notes for deliver
- Your Order:**

Product	Total
Product Name	\$99.99
SubTotal	\$99.99
Shipping	<input checked="" type="radio"/> Local Pickup (Free) <input type="radio"/> Local Delivery :\$50 <input type="radio"/> Free Shipping
Total	\$99.99
- Payment Method:**
 - Direct Bank Transfer
 - Cheque Payment
 - Cash On Delivery
- I've read and accept the [terms & conditions](#)
- Place Order** button

Figure: 2.2 Sale Management System

2.5 Comparative Studies

First, Syntech Solutions has their application module system for installing it on computers even in dream homes, users need to have other specifications. Dream Home is free from those complications; users can access it from anywhere in the browser. Second, other sites are offering the opportunity to manage and manage a store or business account. However, the seller has the opportunity to send the defective product to the head office, view the stock report by branch and so on. The salesperson can also create sales reports or summary reports.

CHAPTER 3

SOFTWARE REQUIREMENT SPECIFICATION

3.1 Business Process Model

Our activity will be from month to month or on an annual permit-based charge. We will likewise give you a custom license on interest. "Basic" licenses will have unusual discounts.

3.2 Use Case Model

A use case model is a model of how unusual types of clients cooperate with a system to take care of a problem. Accordingly, it illustrates the purpose of the clients, the association between the client and the framework and the necessary behavior of the framework in meeting these objectives. A use case display contains elements of several models. Most essential model elements: use cases, characters on-screen, and connections between them. A use case outline is used to graphically illustrate a subset of the model to improve correspondence. There will usually be graphs for a few use cases related to a particular model, each displaying a subset of the model components for a specific reason. An element of a similar model may appear in the graph for a few use cases, but must be constant in each case. At the off-chance of using the instruments to demonstrate the use of the materials, this continuity is robotized with the essential goal that any progress of the model components (for example renaming) will result in thinking about each use case graph that shows the material. The use case model may contain bundles that are used to create models for testing, interfacing, routing, improvement, support and management. A great part of the use case show is in the literature, with each use case displaying material that captures the content of the use case. Read with a The area depicts the flow of events. Fills are displayed as strings forced together by structural progress in the field of use. It is used as the essential detail of the practical prerequisites for the structure, as the reason for the investigation and the structure, as a contribution to managing the stress, as the basis for the experimental properties, and as the reason for the client documentation.

□ System Use Case:

The system has the following set of use cases: Figure: 5.1 describes the system usage cases. The admin can perform setup, configuration, management, account and report creation via login. Each individual seller from the individual store may be known as a real time update.

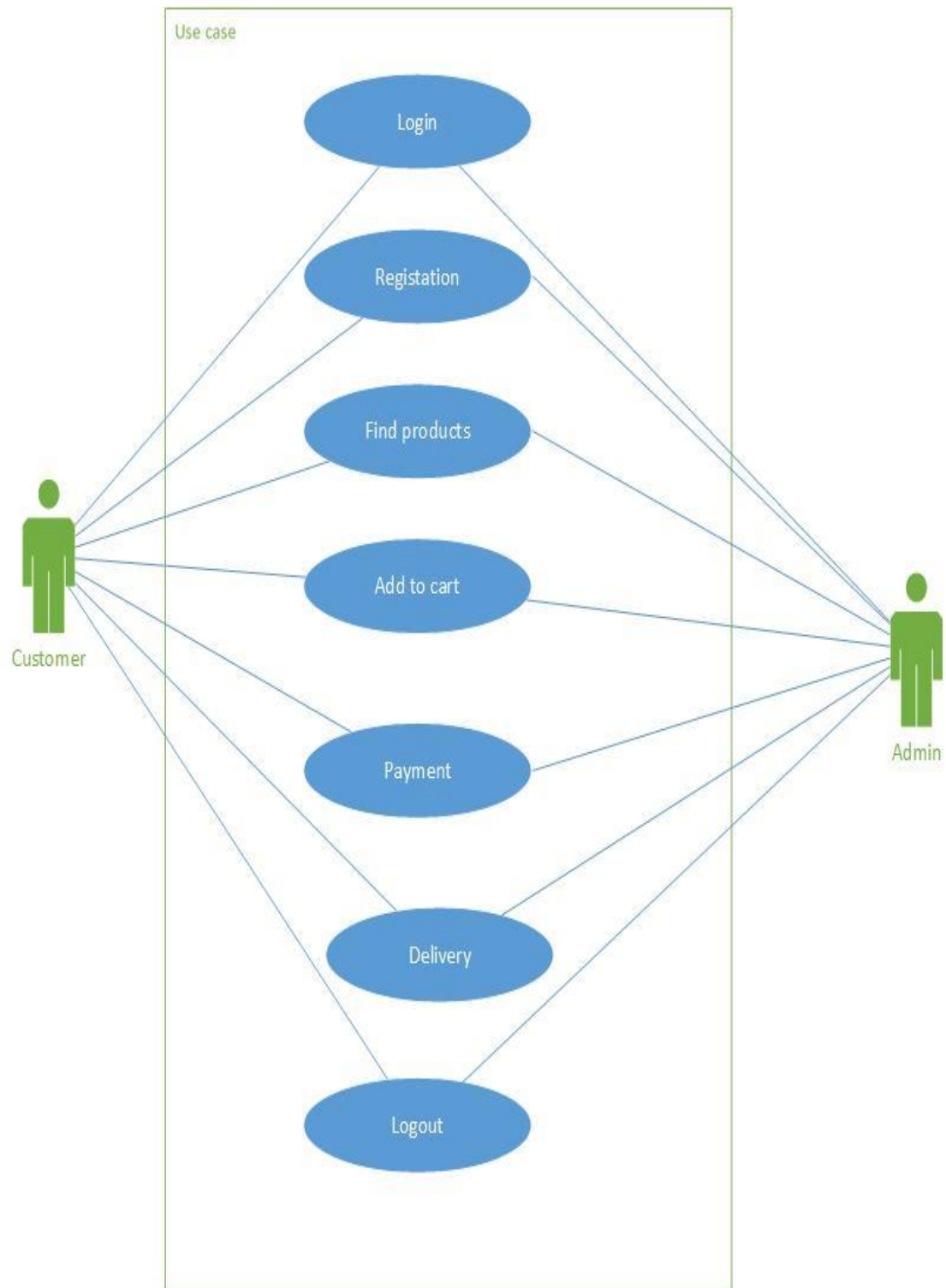


Figure: 3.1 System Use Case

□ Use Case of LOG IN for Admin:

Organizer can create event by Log In. Figure: 3.2 describe the Log in use case.

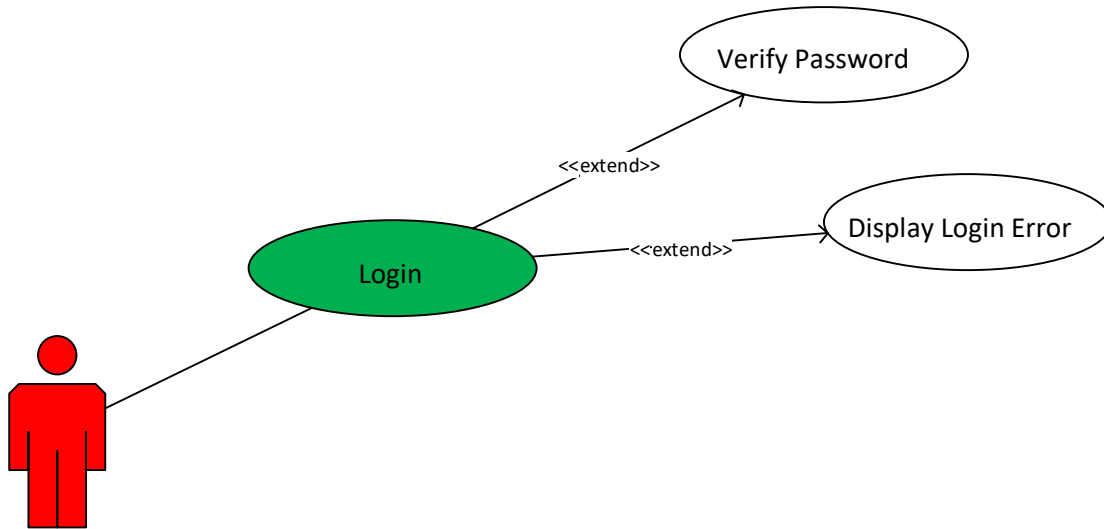


Figure: 3.2 Log in for Create Event

Use Case Details:

Use case name : Login (For Create Event)

Precondition : None

Actor : Admin

Primary Path : 1. Enter Login ID

2. Enter Password

3. Click "Login" button

Exceptional path : 3.1: Invalid Login ID/ password, back to step 1 or 2.

- **Use case Purchase:**

Admin input Purchase to the system. Figure: 3.3 describe the purchase use case.

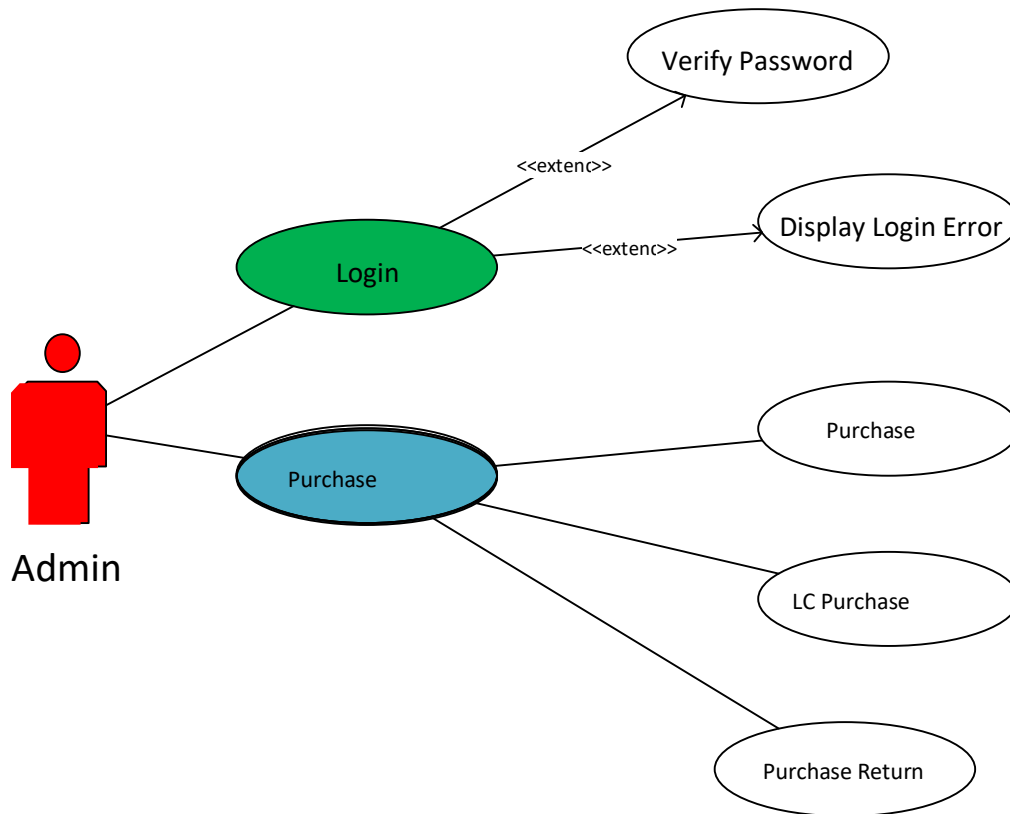


Figure: 3.3 Use Case purchase

Case Details:

Use case name : Local purchase
 Precondition : Log In
 Actor : Admin
 Primary Path : 1. Date
 2. Supplier name
 3. Supplier Invoice No.
 4. Unit Type

- 5. Group
- 6. Brand
- 7. Product Description
- 4. Sales Price

Exceptional path : 2.1: Duplicate Invoice Number, back to Step 1

3.3 Implementation Requirements

The program needs to be decided before using any programming to program it. Below is a critique of the different programming languages that can be used to program an online application.

3.4 ER diagram

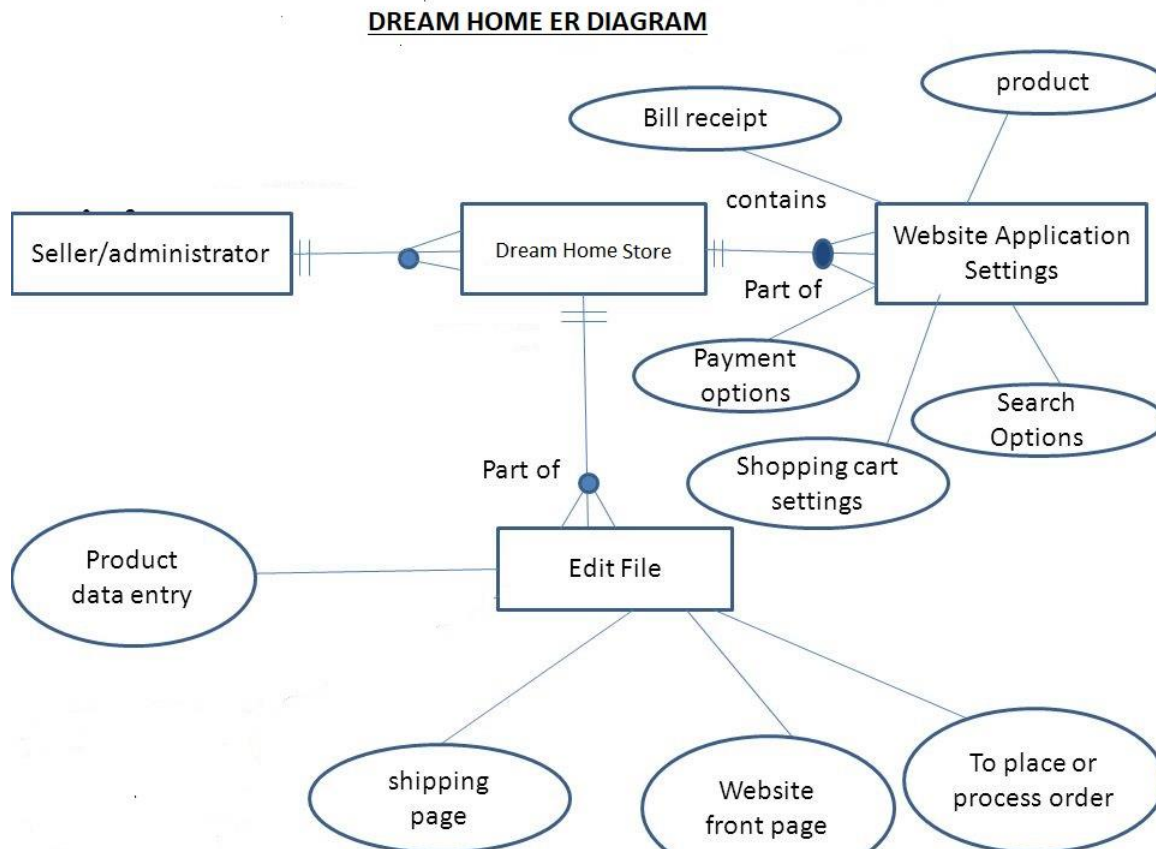


Figure: 3.4 ER-Diagram

CHAPTER 4

DESIGN SPECIFICATION

4.1 System Environment

There are two active actors in designing and developing Dream Home. Figure 4.1 describes the system environment. Admins and Sellers. All actors can access the system through a web link. Each branch administration has a login ID and password by which they can access the system.

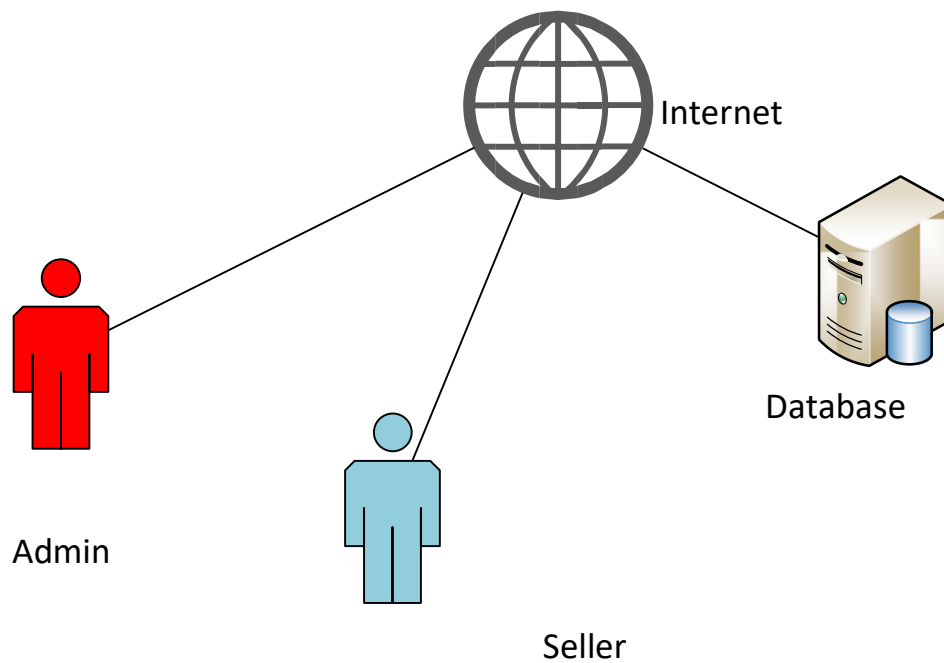


Figure: 4.1 System Environment

4.2 Front-end Design

Login Panel

Figure 4.2.1 shows the Login Panel of the system

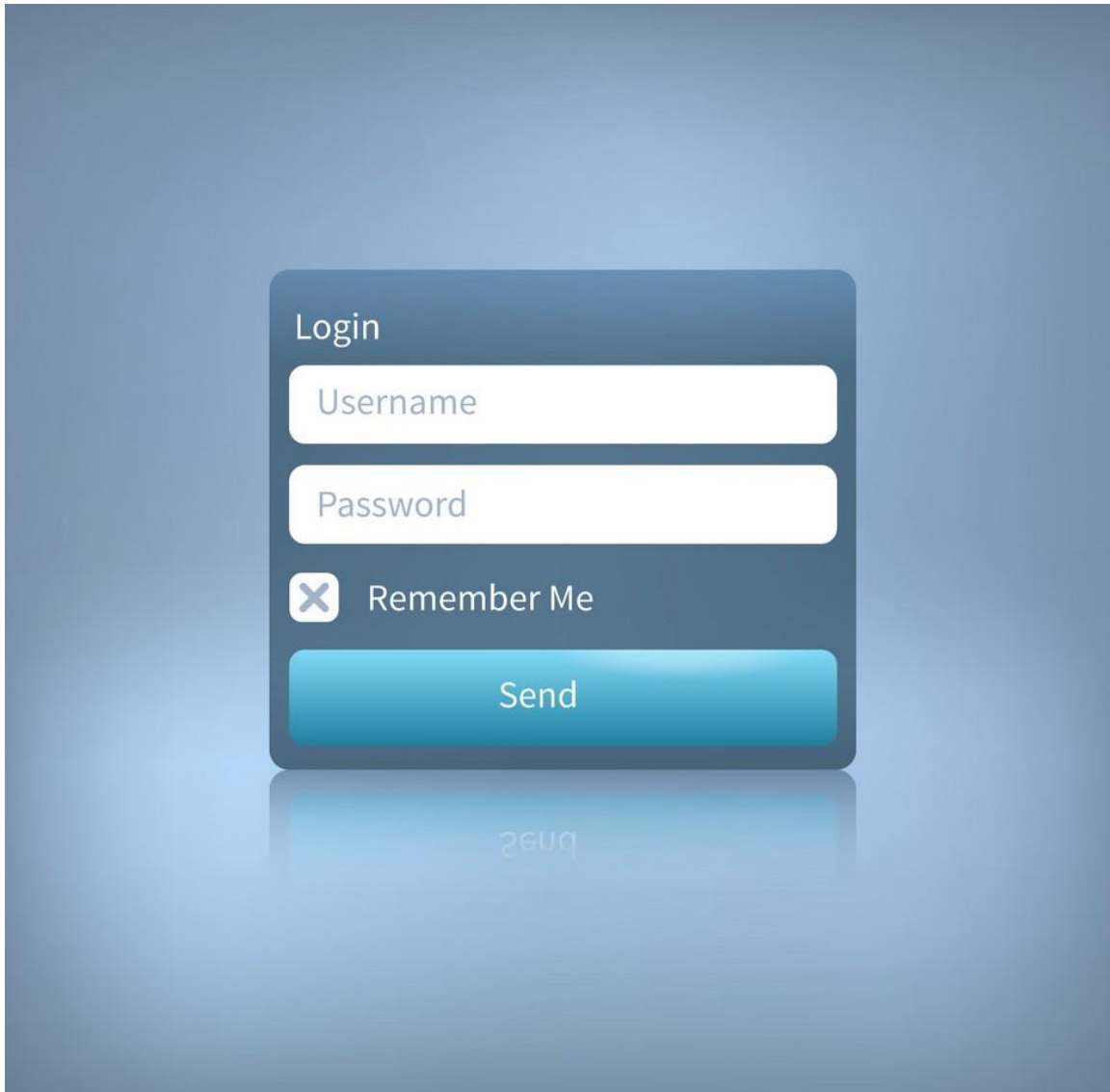


Figure: 4.2.1 Log In

Home Page

Figure 4.2.2 shows the Home Page of the system

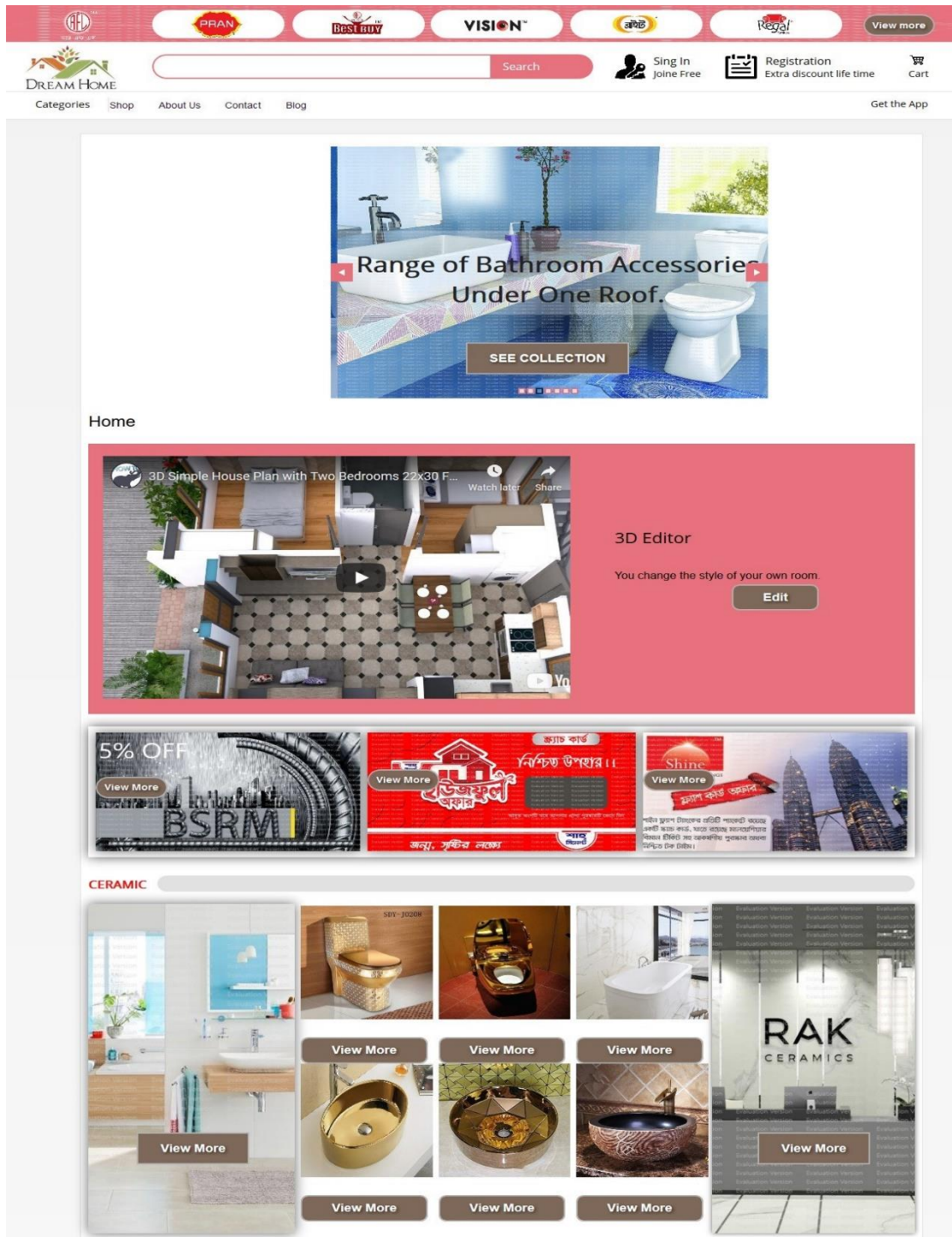


Figure: 4.2.2 Home Page

Shop Page

Figure 4.2.3 shows the Shop Page of the system



Shop

List View



Product 1

Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book.

99.99

[Add to Cart](#)

Grid View



Product 2

99.99

[Add to Cart](#)



Product 3

99.99

[Add to Cart](#)



Product 4

99.99

[Add to Cart](#)



Product 5

99.99

[Add to Cart](#)

Prev **1** 2 3 Next

Figure: 4.2.3 Shop Page

Contact Page

Figure 4.2.4 shows the Contact Page of the system

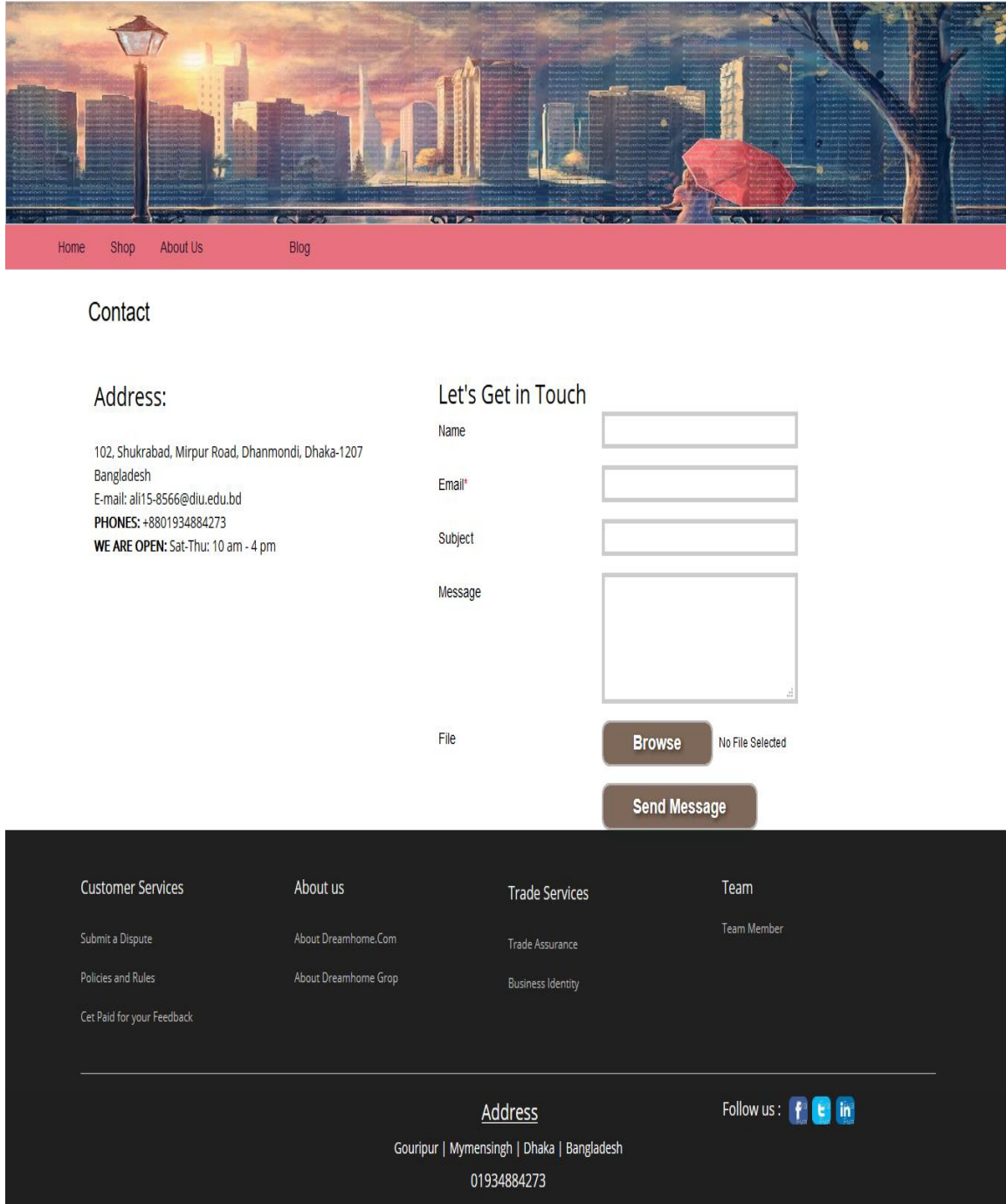


Figure: 4.2.4 Contact Page

Billing Details Page

Figure 4.2.5 shows the Billing Details Page of the system

The screenshot displays a web page with a header image of a city skyline at sunset and a navigation menu with links: Home, Shop, About Us, Contact, and Blog. The main content area is divided into two columns of form fields.

Billing Details (Left Column):

- Ship to a different address?
- First Name:
- Last Name:
- Company Name:
- Email Address:
- Phone No.:
- Country:
- Address:
 - Street address:
 - Apartment, Suite, Unit etc(Optional):
- Town/City:
- State/Country:
- Post Code/ ZIP:
- Create an account

Shipping Details (Right Column):

- Ship to a different address?
- First Name:
- Last Name:
- Company Name:
- Country:
- Address:
 - Street address:
 - Apartment, Suite, Unit etc(Optional):
- Town/City:
- State/Country:
- Post Code/ ZIP:
- Order Notes:

Your Order (Table):

Product	Total
Product Name	\$99.99
SubTotal	\$99.99
Shipping	<input checked="" type="radio"/> Local Pickup (Free) <input type="radio"/> Local Delivery :\$50 <input type="radio"/> Free Shipping
Total	\$99.99

Payment and Terms (Bottom):

- Direct Bank Transfer
- Cheque Payment
- Cash On Delivery
- I've read and accept the [terms & conditions](#)
-

Figure: 4.2.5 Billing Details Page

About Us Page

Figure 4.2.6 shows the About Us Page of the system

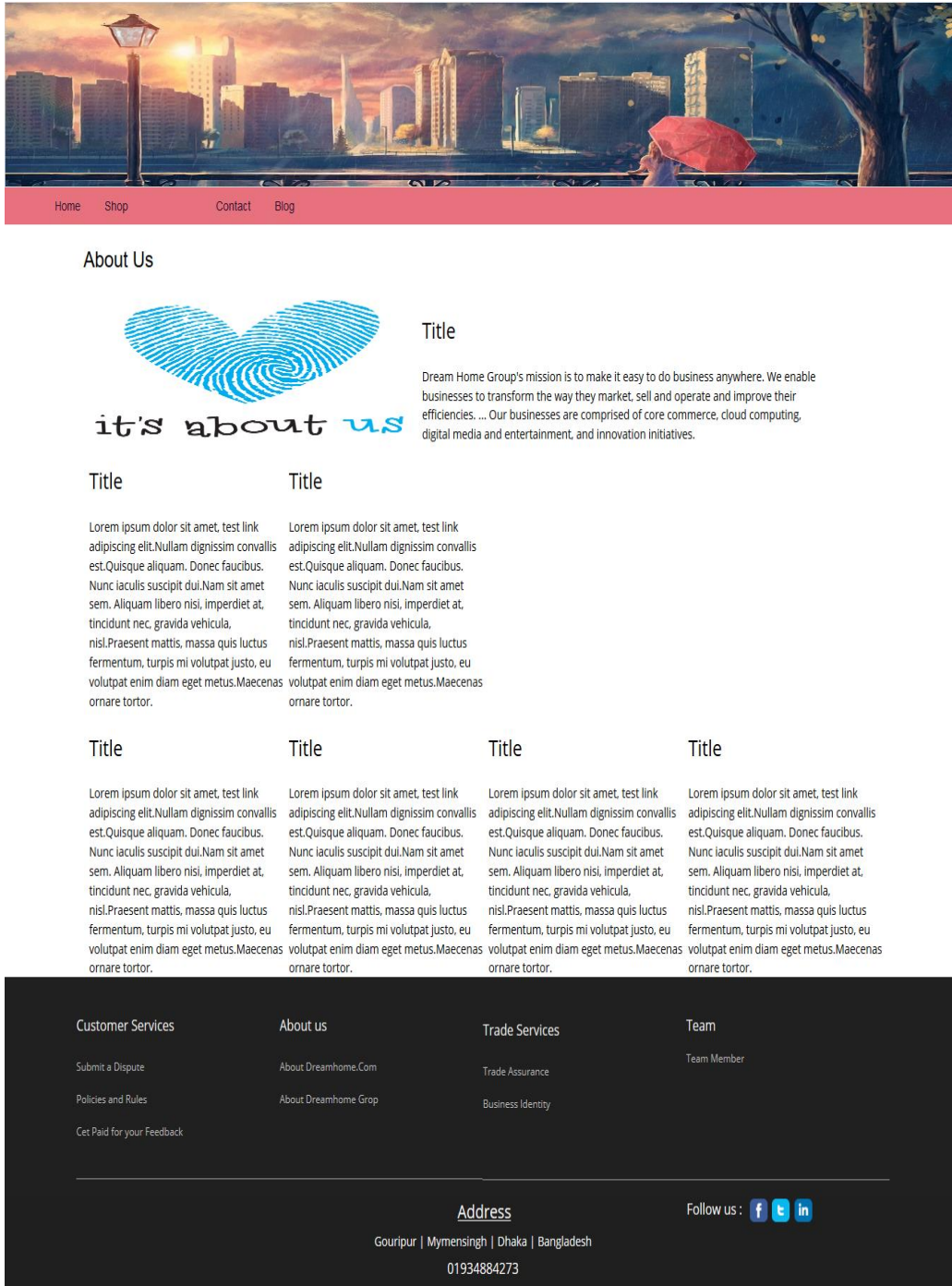


Figure: 4.2.6 About Us Page

Cart Page

Figure 4.2.7 shows the Home Page of the system

Home Shop About Us Contact Blog

Cart

Image	Description	Price	Quantity	Total	Delete
	Product Name Size: S Color: Orange	\$99.99	1	\$99.99	X

Coupon Code **Apply Coupon** **Update Cart**

Cart Totals

Subtotal	\$99.99
Total	\$99.99

Proceed To Checkout

Customer Services: Submit a Dispute, Policies and Rules, Get Paid for your Feedback
About us: About Dreamhome.Com, About Dreamhome Grop
Trade Services: Trade Assurance, Business Identity
Team: Team Member

Activate Windows

Figure: 4.2.7 cart page

Description Page

Figure 4.2.8 shows the Description Page of the system

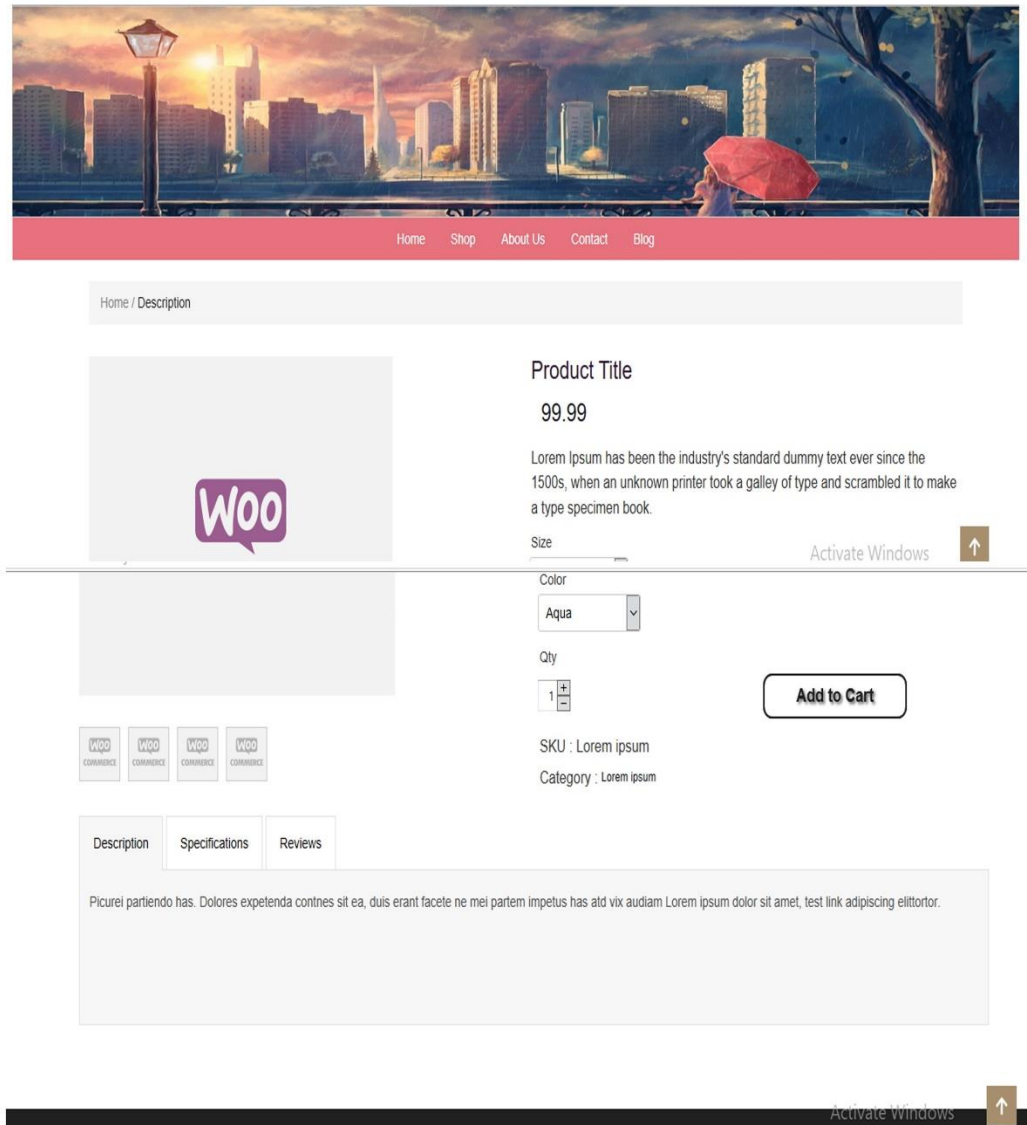


Figure: 4.2.8 Description Page

Order Received Page

Figure 4.2.9 shows the Order Received Page of the system

The screenshot displays the 'Order Received' page with a navigation menu at the top: Home, Shop, About Us, Contact, Blog. The main content area is titled 'Order Received' and includes a thank-you message: 'Thank You, Your order has been received.' Below this is a table with the following data:

Order Number	Date	Total	Payment Method
123	AUGUST 9,2016	\$99.99	Direct Bank Transfer

A note follows: 'Make your payment directly into our bank account. Please use your order ID as the payment reference. Your order won't be shipped until the fund have clear in our account.'

Our Bank Details

JAMS-Abcd

Account Number	Ifsc:	Iban:	Bic:
123456789	9547	369	58462

ALBAD-Wxyz

Account Number	Ifsc:	Iban:	Bic:
1234567890	2569	741	32548

Order Details

Product	Total
Product Name	\$99.99
SubTotal	\$99.99
Shipping	Free Shipping
Payment Method	Direct Bank Transfer
Total	\$99.99

Customer Details

Email:	ABCD@gmail.com
--------	----------------

Customer Details

Email:	ABCD@gmail.com
Telephone	1234567890

Billing Address

123 ABC Ave Street View
#456 XYZ
New York City
NY 100005
USA
123456789

Shipping Address

123 ABC Ave Street View
#456 XYZ
New York City
NY 100005
USA
123456789

The footer contains links for Customer Services, About us, Trade Services, and Team, along with a footer note: 'Submit a Dispute', 'About Dreamhome.Com', 'Trade Assurance', 'Team Member', and 'Activate Windows'.

Figure: 4.2.9 Order Received Page

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