

amaderhatbazar.com

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A Project
in
The Department
of
Computer Science and Engineering



Presented in Partial Fulfillment of the Requirements
For the Degree of Master of Science in Computer Science and
Engineering

United International University

Dhaka, Bangladesh

April 2018

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Approval Certificate

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This is to certify that the work entitled “**amaderhatbazar.com**” is the outcome of the research carried out by me under the supervision of Dr. Mohammad Nurul Huda, Professor & Coordinator MSCSE Program.

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Dr. Mohammad Nurul Huda
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Abstract

Technologies decreased our distance one to another. Before some years ago we saw message send and reached time. Today we can send a message with in second, of course we know many time need to reach. These contribution only technologies. In this age we can buy and sell a product from bed room. Global online shopping system day by day updating and changing the world. By the system we can access where or there.

Acknowledgement

I am very grateful to my honorable project supervisor Dr. Mohammad Nurul Huda for his continuous support, assistance, instruction and encouragement, without which my work would have never been completed.

I would like to give special thanks to Mr. Choyon , System Analyst, KAFF for his regardless support through the whole project.

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Chapter 1

Introduction

Today internet operating is our regular activity; a person can easily change their daily activity. We know the first activity of internet was just information spreading, But now it is important in several fields.

Few years ago, we thought internet only for emails and messages sending, receiving. Now a day's dependence increasing day by day. That not is only for retail market peoples. Every time growing sum of internet users. Discovering many opportunities' every time. There is no one, who can say what future is waiting for us.

We know modern age ongoing, Day by day technology change our life style. Without technology we can't think any second. People want's technological Service. This study changes world sell and buy system. Now we can sell and buy products from anywhere. We know online bazar is easy way for this sell and buy. Depend of some devices and internet connection we can use this service.

Chapter 2

Project Overview

2.1 Project Perspective

This online bazar method is very useful for any customer. Any customer can easily sell and buy the goods or items from anywhere need internet connection in your mobile or system. This web site saves your many time and money. Online bazar system you can organize goods, products and services. get important reports time to time.

A customer chose a product just browsing online bazar. After chose just call or email any one can order. Various product displays in this web site. This system save time and money for travelling. System helps to you for choosing goods quicker.

Online bazar is a store of various products like mobile, computer, baby care, chair, table, fan, book etc. can be bought from anywhere by internet. A customer browse category for find out necessary product. This web site is very user friendly for customer. Customer can see all activities from registration time period. When new product displays that time customer get message from system.

2.1.1 Project Features

What type of features has in this project?

- a) Admin & super admin will be notified immediately about the customer e-mail.
- b) Admin can control all customers.
- c) Customer will be kept updated about new products
- d) Any notice can be sent immediately through email
- e) Information can be accessed anytime, anywhere
- f) Customer can manage their product in dashboard
- g) Customer can organize their web page

2.1.2 User Classes and Characteristics

There will be 4 types of users in this project

- a) Normal users
- b) Registered users
- c) Admin
- d) Super Admin

2.1.3 Hardware Requirements:

The higher web shop requirements, the higher hardware specifications of the web and database servers are. To begin with you can think of the environment with the following specifications that are for the Sana Commerce solution only:

Items	Web server (minimal)	Web server (recommended)	Database Server	Database Server (recommended)
Processor	2,6 GHz CPU	2 x 1,9 GHz CPU	2 x 2,6 GHz CPU	4 x 1,6 GHz CPU
RAM	1,61 GB RAM	4,7 GB RAM	4 GB RAM	5 GB RAM
HDD	2x 40 GB of free space or more is endorsed for the online bazar data 2x 40 GB of free planetary or more is suggested for the software that is listed in the software requirement.			
Suggested Microsoft Azure Virtual Machine Configuration Basic	Small VM	Medium VM	Medium VM	Large VM

Fig 2.1: Hardware/Software

2.1.4 Design and Implementation Constraints

Product is developed using Cakephp 2.6.7 framework. The backend is supported by MYSQL. The product is accomplished with login Customers so that specific function is available to specific user.

Database and development tools. Much better results are expected when it will bedeployed on the real environment.

2.1.4.1 Design Constraints

This system support only internet without web tools we can't use. The system support all updated browsers. Customer can easily open this web site any supported device'. This service is easy for use. When we design this system, we flow UX rules and regulation

2.1.4.2 Assumptions and Dependencies

The product needs the following third party libraries and software:

- Cakephp 2.6.7
- MYSQL
- JQUERY
- Java Script

2.2 System Architecture

MVC and Three-Tier Architecture:

In the MVC approach the application is divided in three components: model that represents the application data, view that present the user interface, and control that handles user input [4]. The MVC architecture is ideal for building websites that require user interaction. It makes applications easier to code, maintain and expand. This is due to the separation of the program components into different areas of logic; presentation (view), business or logic (control) and data access (model). Using the traditional description of MVC, the components are described as follows: Model – Represents persistent application data and notifies views and controllers of changes to its state or data. View – Presents model data to the user and observes the model for updates. Controller – Handles any type of input and sends commands to update the model based on that input if necessary.

Here is a diagram of my system architecture:

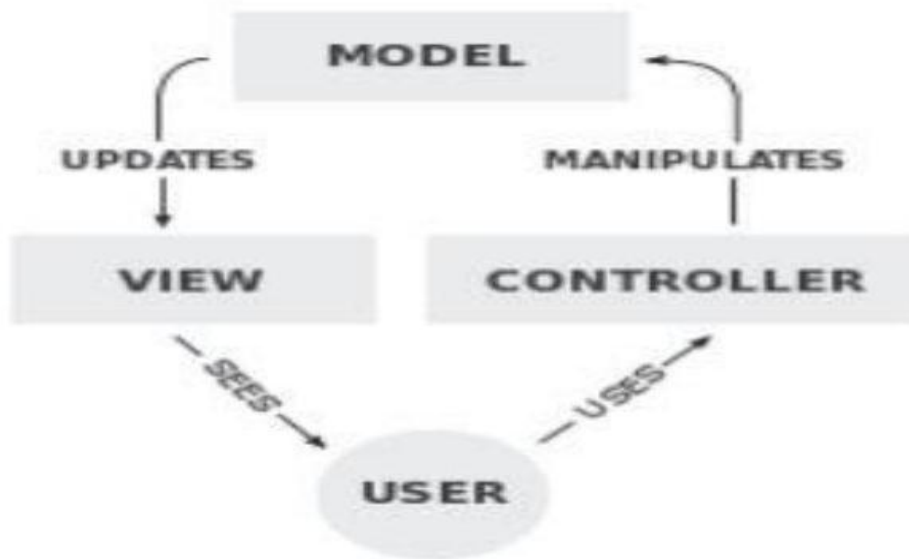


Fig 2.2: MVC and Three-Tier Architecture

Three-tier architecture is based on the same principles of separation; with the idea that the components can be physically separated to reside on different machines. In addition to the advantages of code separation already discussed, three-tier architecture offers the advantage of being able to upgrade or replace any of the tiers without affecting the others.

2.2 Used Technology Products

Listed below technology have been used in these projects proposed:

1. CakePHP Framework 2.6.7
2. MYSQL Server Database
3. JavaScript
4. JQuery
5. BootStrap
6. XAMPP

2.3 MVC

Model

We know models are business logic for our web site. We can reuse and managing our all data. This is workflow of MVC pattern.

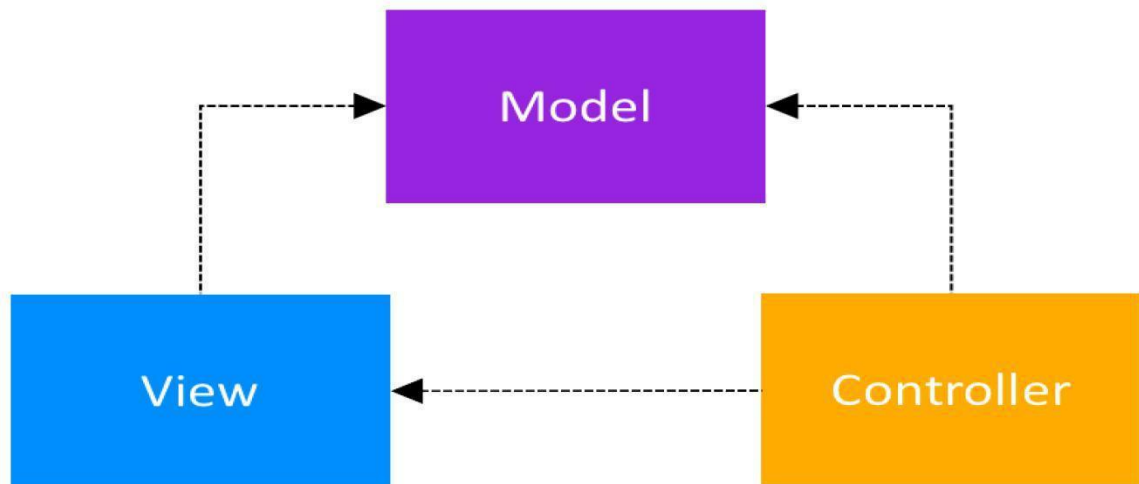


Fig 2.3: MVC Architecture

View

Views are responsible for sending output to user based on request.

Controller

The controller as the name indicates controls the application. It acts like a bridge between models and views. Controllers handle request data, makes sure that correct models are called and right response or view is rendered.

Chapter 3

Project Design

UML Diagrams

“The UML is a powerful and effective means of describing and managing business and software development projects. I have used Microsoft to develop my all UML modeling’s.

3.1 Data Flow Diagram

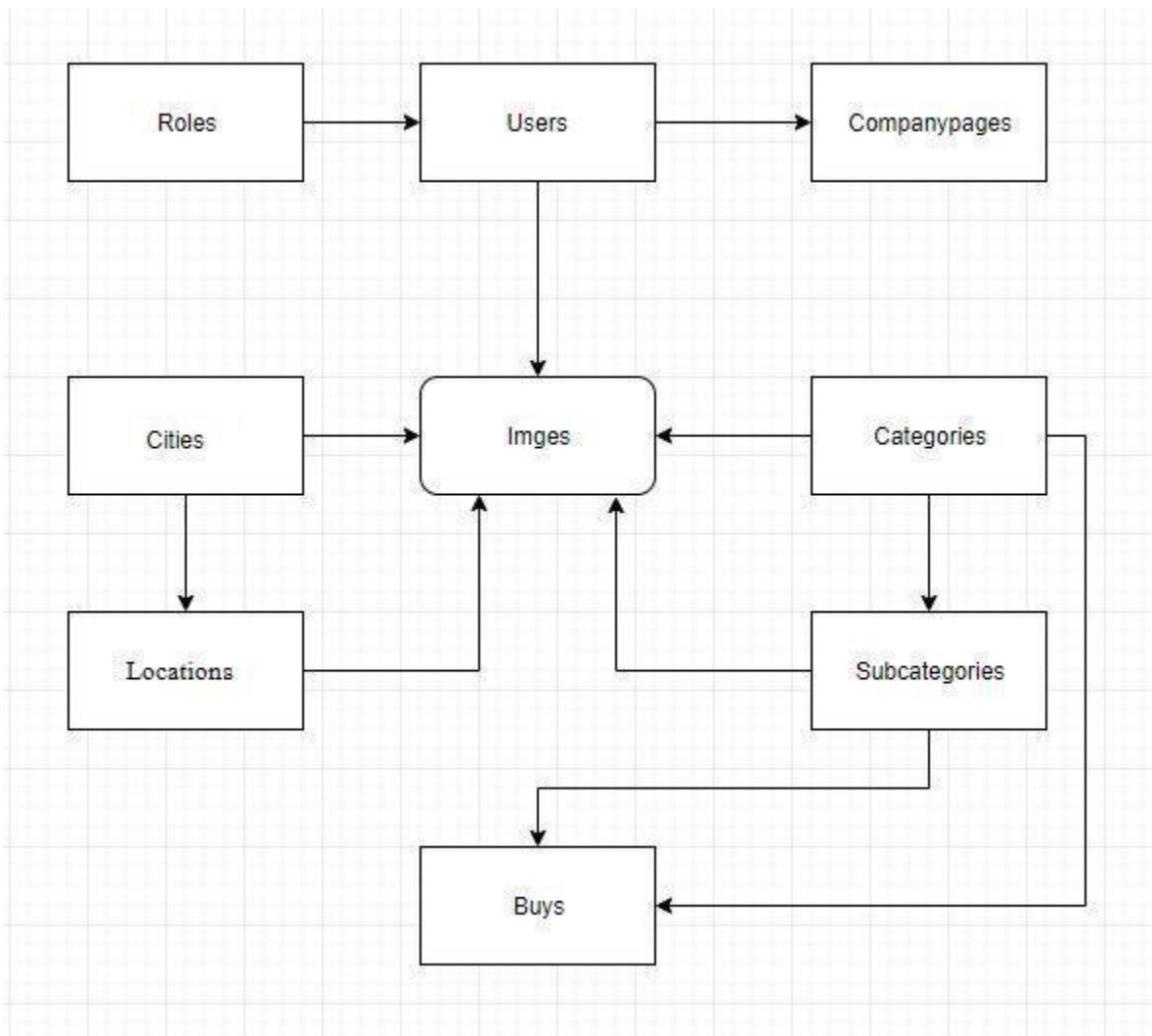


Fig 3.1: Data Flow Diagram

3.2 Use Case Diagram:

Use case diagram is one kind of behavioral diagram. It is used for use-case analysis. Graphical overview of the functionality provided by a structure is presented by the use case diagram in relations of actors. The actor can be a human or other outdoor system. In modern software engineering, use case is an important and valuable necessity analysis technique. Sometimes it represents missions or the goals of sponsors.

3.2.1 Login page: This is admin login figure.

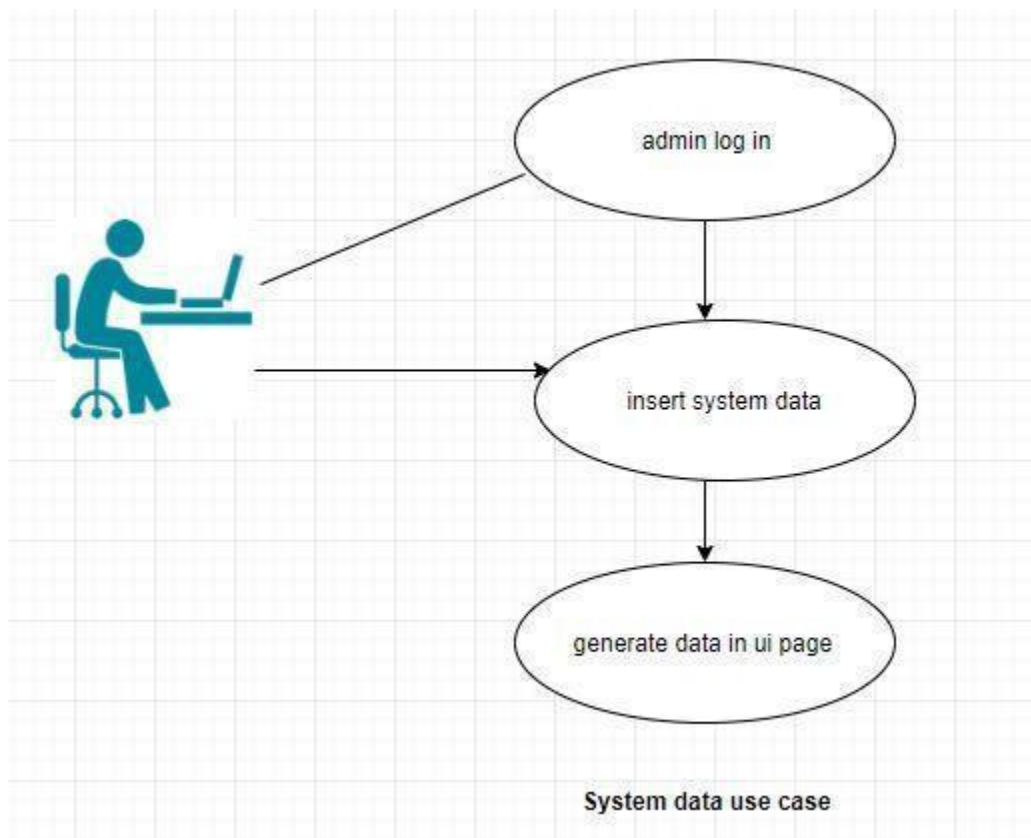


Fig 3.2: for Login

3.2.2 Use case diagram: For new customer registration.

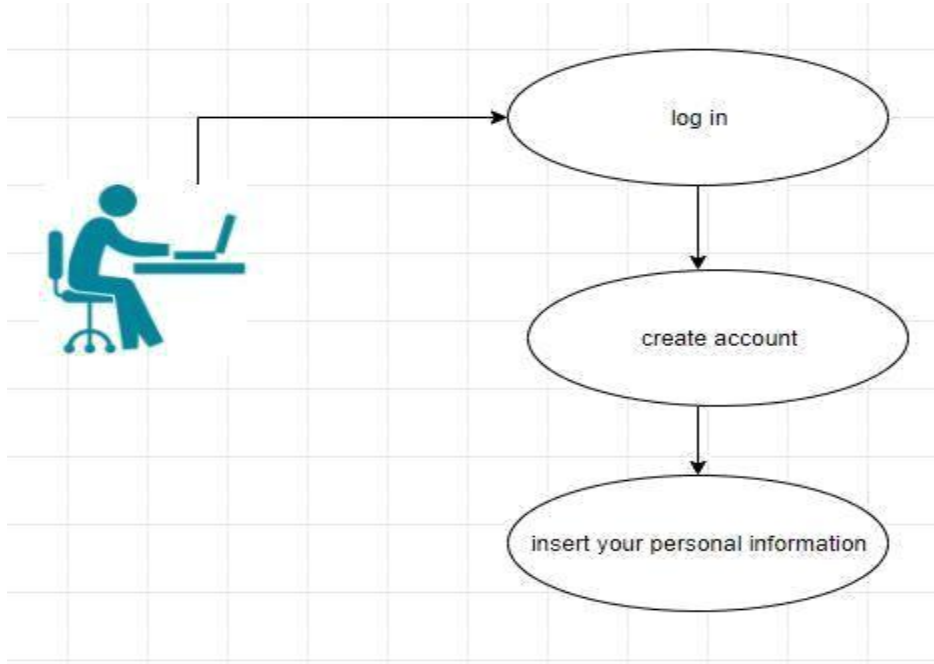


Fig 3.3: for registration

3.2.3 Use case diagram: Customer dashboard. After login customer can post his/her add by this screen.

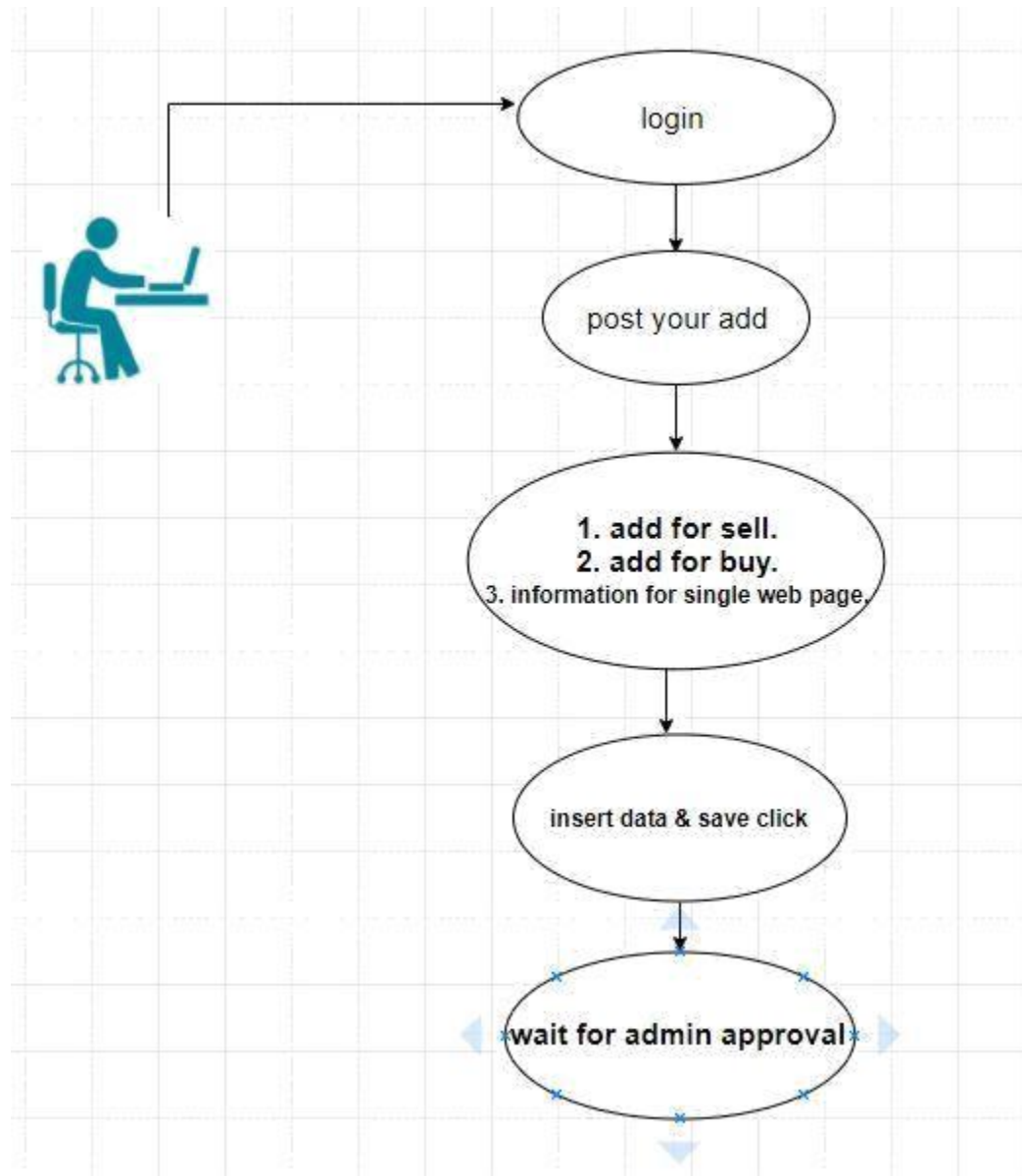


Fig 3.4: for Customer dashboard

3.2.4 Use case diagram: master & detail page for all information. This is home page of this project. Any type of user can browse and see all adds sort and detail information.

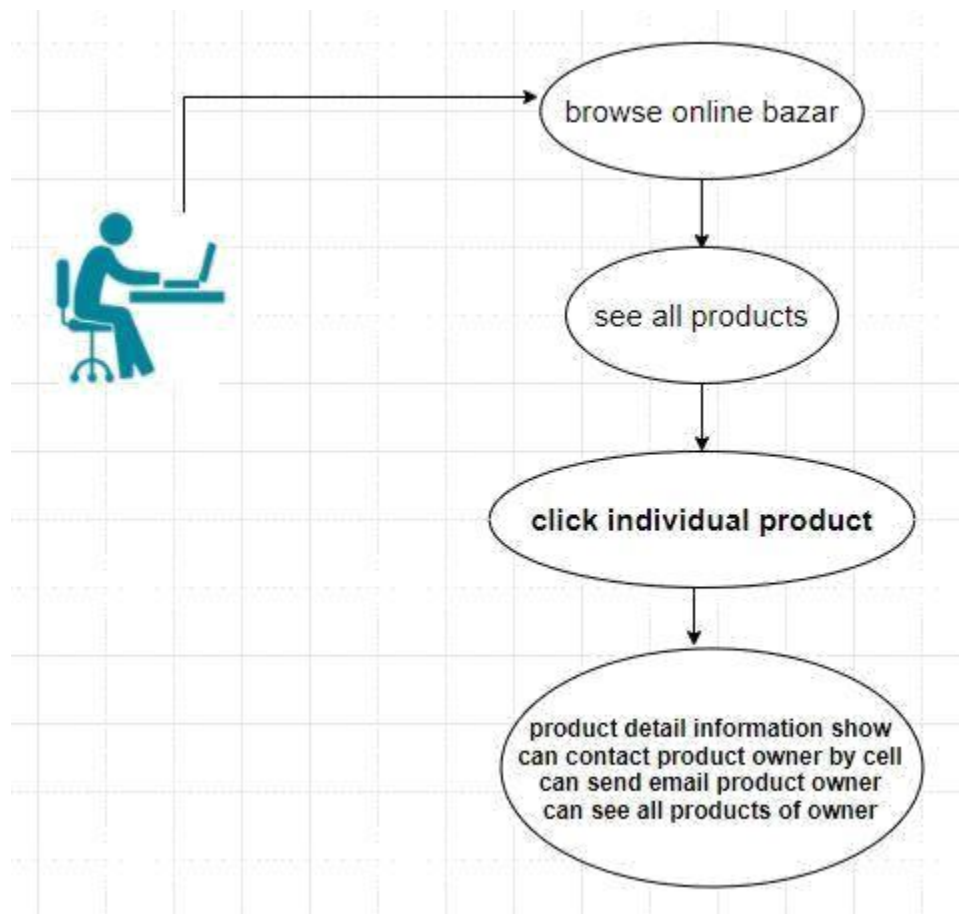


Fig 3.5: for detail page

3.3 Sequence Diagram:

A sequence diagram is typically an interaction diagram. It shows the objects operation state with one another. It also shows and maintains the order of object operation setup. It is a build of a message sequence chart. It shows the detail object interaction scenario with respect to time sequence. It illustrates the objects and classes involved in the scenario and the sequence of memos switched between the matters needed to carry out the functionality of the scenario. Sequence diagrams are typically associated with use case apprehensions in the Logical View of the system under development.

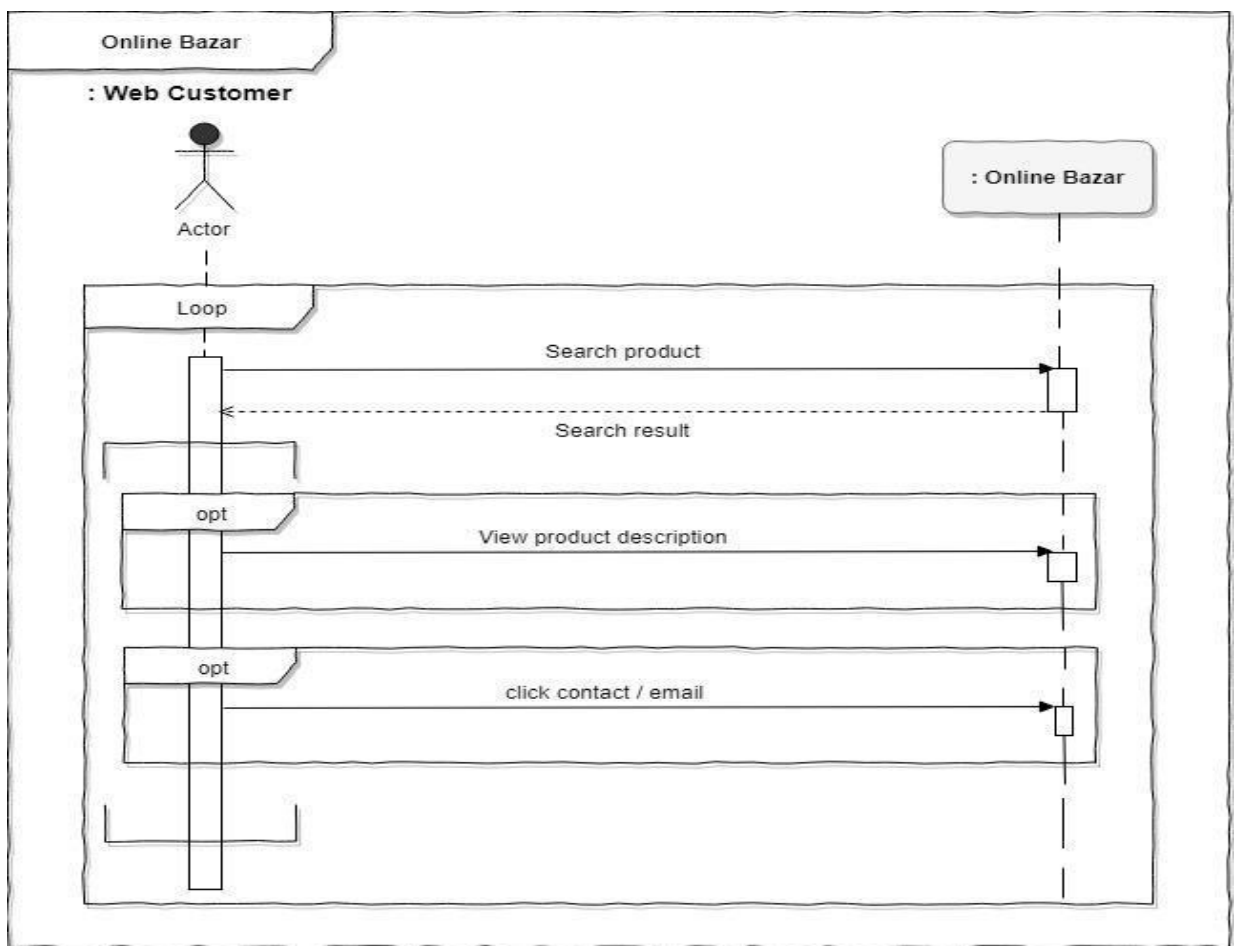


Fig 3.3.1: for Sequence Diagram

3.4 Class Diagram:

Class diagram is not dynamic diagram. It explains a system details. We can know about attributes by class diagram. It is important for any type project. It also views the relationship one to other classes. That is main basement for project.

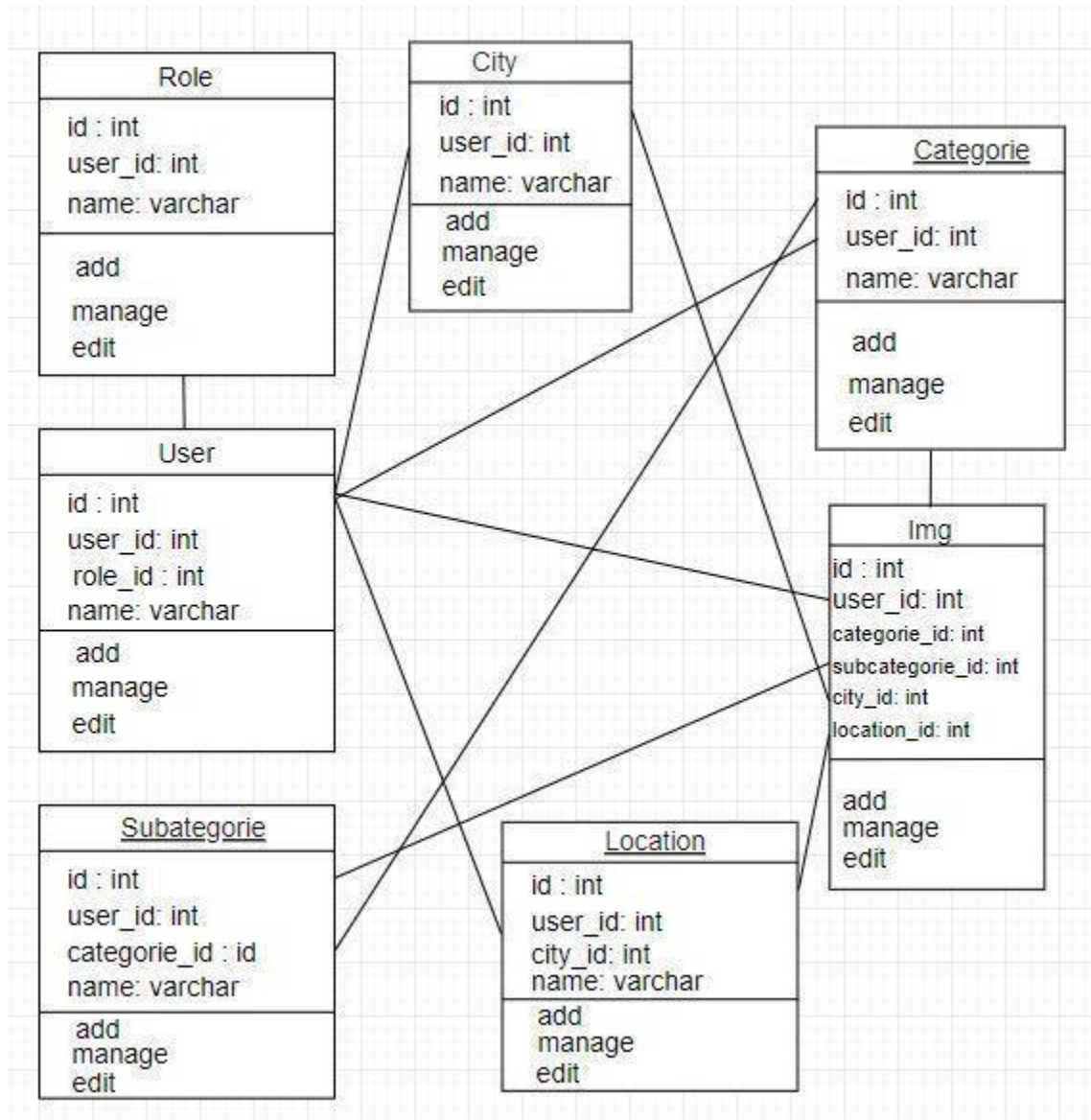


Fig 3.5.1: for Class Diagram

Chapter 4

Development Components

4.1 Domain Server for hosting application

Web hosting is a facility that permits a system and individuals to post web pages in to the internet. A web hosting service provider is a business that delivers the technologies that viewed webpage in the internet. Web pages stored in the special computer that called servers.

When users want view webpage by internet, every one need to type domain name into browser. The PC will be connecting with your server then web pages will be delivered through the browser.

4.2 MYSQL Server Database

MySQL based on Structured Query Language (SQL). It is open source database management system. That one of the best relational data base management system (RDBMS).

It is runs on virtually platforms, like Linux, UNIX and windows. Another side it can be used wide range any type of applications.it is easy to use for this reason leading database choice for web applications. Already using Facebook, twitter, YouTube, yahoo and many others. Oracle corporation owner of MYSQL.

4.3 Third Party Security Software (optional)

We know this project source code is open source for this reason need to third party security software. It is provides security for a computer or network such as encryption software, spyware removal software, antivirus software, firewall software. Third party security software created by many companies in the world.

4.4 High Speed Internet Connection

High speed Internet connection speeds range from almost 128 kbps to 9 megabits per second (Mbps). Cable provider speeds up to almost 30 Mbps. Although this speeds are not same always. Speed up and down some time.

4.5 Power Backup (UPS)

Every day we use varieties electrical tools for our task completing. Example is when I used computer for writing an application, sudden loss electricity power. Then I will lose my document reason is no electricity backup. That time need uninterrupted power supply (UPS)?

A UPS unit would, at smallest level with a very minor unit, when an UPS connect with PC that time files won't be losing. So that is so essential for electricity backup. When will buy a UPS we have understand facilities of ups. Calculating UPS power requirements, and try to understand the features of various UPS units.

Chapter 5

Screen Shots

User interface: Registered user login page. By this page a user can login.

The screenshot displays the login interface of amaderhatbazar.com. At the top, the header includes a phone number (+88 01826631831), the website URL (amaderhatbazar.com), and a link to 'All ads'. A search bar with the placeholder text 'What are you searching?' and a 'SEARCH' button is positioned below the header. The main content area is titled 'Login' and features a 'Call For Ad' advertisement with the number '01729-158473'. The login form consists of an 'Email *' field containing 'farukmscse@gmail.com', a 'Password *' field with masked characters, and a blue 'LOGIN' button. Below the login form is a link to 'Create an Account'. The footer section is divided into three columns: 'About us' (stating 'This is online bazaar for this world.'), 'Information' (with links to 'Customer Service', 'Contact Us', and 'Careers'), and 'Our Contacts' (providing address, phone number, email, and Skype details). A copyright notice '2015 © amaderhatbazar.com. ALL Rights Reserved.' is located at the bottom left.

Fig 4.1: for login page

User interface: After login a user can see this dashboard. User can post product information for buy and sell.

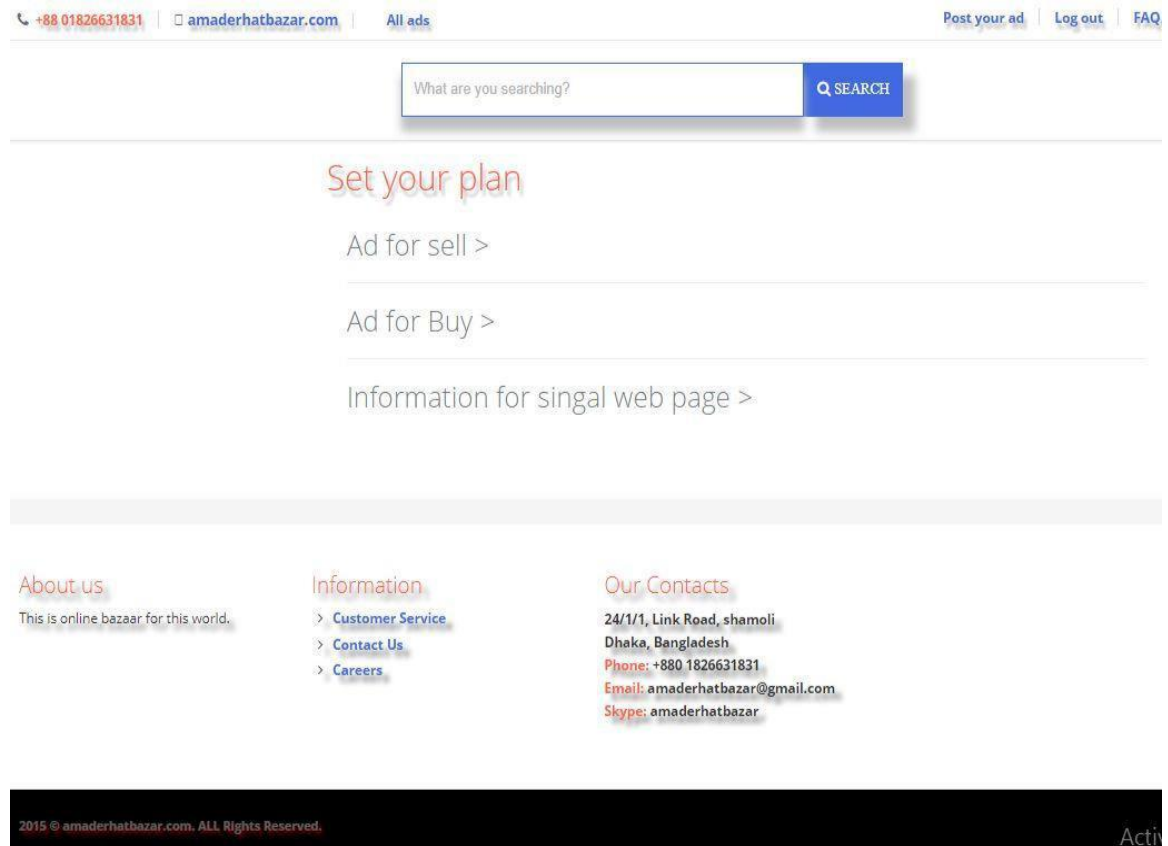


Fig 4.2: for dashboard

User interface: Input product information for sale.

Post your Ad

Title	
Details	
Category*	Select Category
District*	Select District
Location*	Select Location
Big Image	Choose File No file chosen (Width-500, Height-500)
Small Image	Choose File No file chosen (Width-160, Height-160)
Condition	Write new or old
Company Name	Company Name
Brand	Brand
Model	Model
Features	Features
Authenticity	Authenticity
Taka	
Contact No	

SUBMIT

Fig 4.3: for Input product information for sale

User interface: If any customer wants to insert product information for buying, he/she fill up with product information this page.

Product buy

Title	
Category*	Select Category ▼
Contact No	
District*	Select District ▼
Location*	Select Location ▼
Details	

SUBMIT

Fig 4.4: insert product information for buying

User interface: If any customer wants to market company information that time need to fill up and submit.

Design your web page

Name	
Dialog	
Bannar	Choose File No file chosen (Width-981, Height-361)
Logo	Choose File No file chosen (Width-200, Height-150)
Details	
Open time	Sun: 12:00 am –11:59 pm
Address	
Contact No	
Web page name	
Facebook page name	
Google page name	
Twitter page name	
SUBMIT	

Fig 4.5: for company information

User interface: This page is home page for this web site. We will see all products in here.

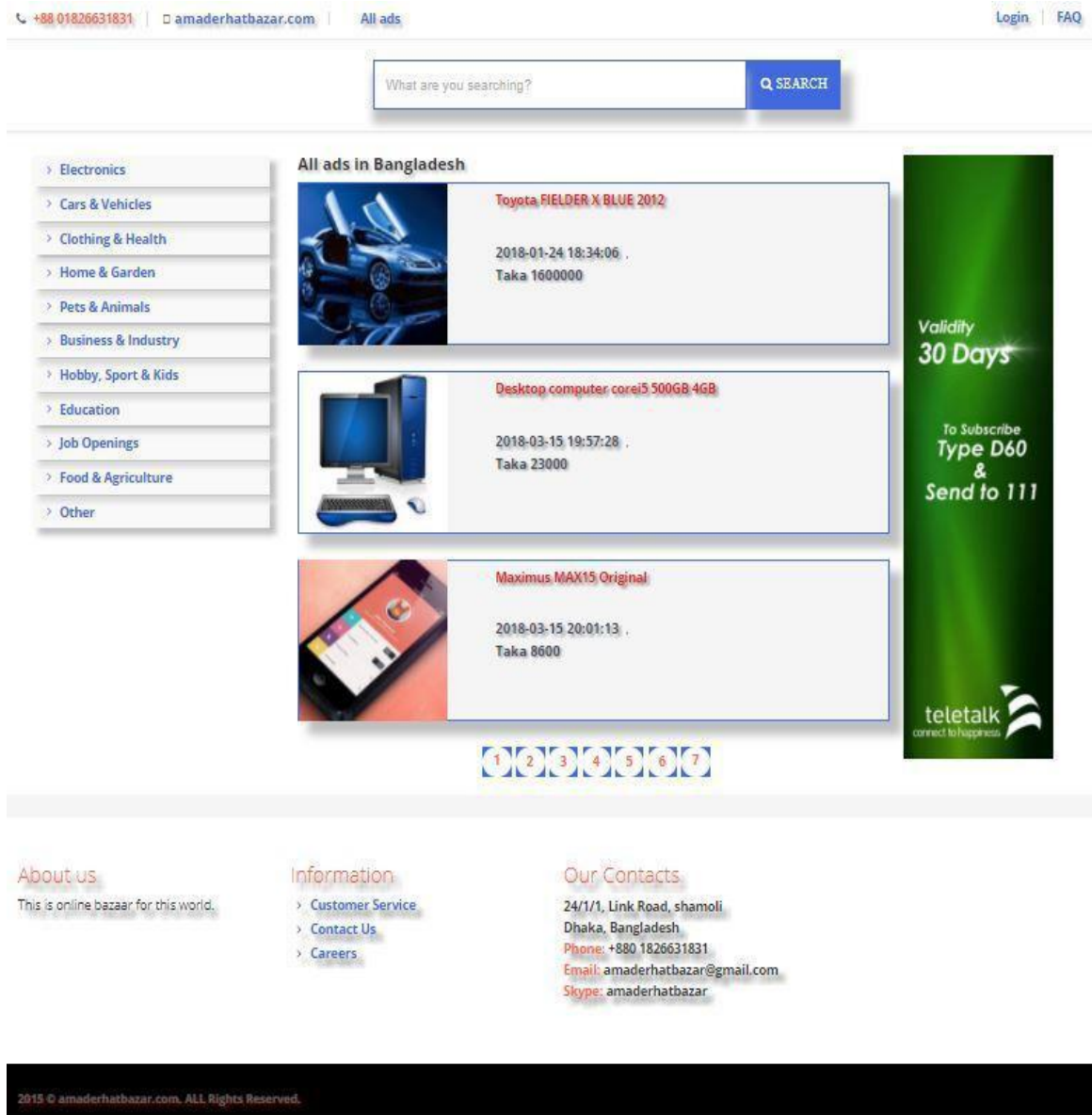


Fig 4.6: for home page

User interface: When any customer clicks on individual product name then view this page. We can know detail information by this page.

+88 01826631831

amaderhatbazar.com

All ads

Login

FAQ

What are you searching?

SEARCH

Computers & Tablets

For sale by 2018-03-15 19:57:28, Dhaka

SALE



Safety Tips for Buyers

- Meet seller at a public place
- Check the item before you buy
- Pay only after collecting the item

[Click to show phone number](#)

[Reply by email](#)

Tk. 23000

well ? Cakephp Framework - ♦ UI design with Cakephp convention ♦ Link with Cakephp and MYSQL ♦ Create Model ♦ Validation add in Model ♦ Validation execute by Function ♦ Validation add by JQuery ♦ Data view in combo by cakephp convention ♦ UI view and data insert by same function ♦ CKeditor execute ♦ Captcha image

Condition: Old

Fig 4.7: for detail information of product

User interface: This page view company detail information. Like banner, log, open time and all products of this company.

+88 01826631831

amaderhatbazar.com

All ads

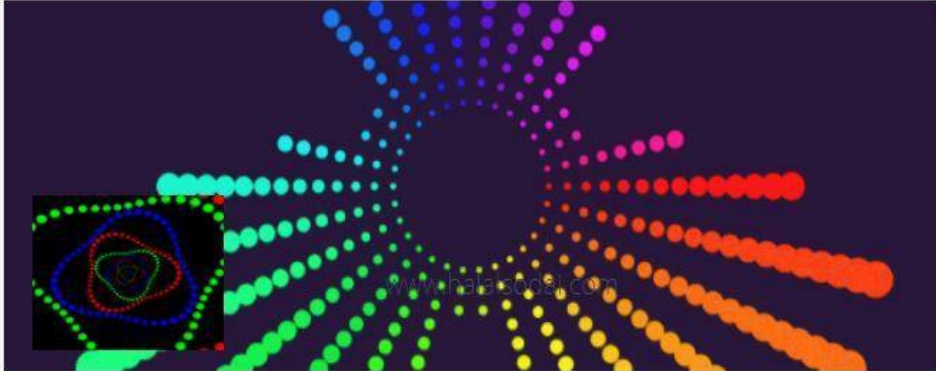
Post your ad

Log out

FAQ

What are you searching?

SEARCH



www.hafes360.com

Importer of Reconditioned Vehicles

All kind of japanese reconditioned vehicles importers.we provide good service with best vehicles in town.Feel free to contact with us for your dream drive.

[More details about this shop](#)

Open Time

Sun:	10:30 am - 8:30 pm
Mon:	10:30 am - 8:30 pm
Tue:	10:30 am - 8:30 pm
Wed:	10:30 am - 8:30 pm
Thur:	10:30 am - 8:30 pm
Fri:	10:30 am - 8:30 pm
Sat:	10:30 am - 8:30 pm

Address

425,Hafez Plaza,1st floor, Pathantuli Road, (Infront of Gayebi Masjid) Agrabad, Chittagong

Contact

[Show phone number](#)

[Reply by email](#)



Toyota FIELDER X BLUE 2012

2018-01-24 18:34:06 .
Taka 1600000



Flower

2018-03-15 19:34:30 .
Taka 120

Fig 4.8: for company detail information

User interface: This is popup page we will know open, address and social links information.

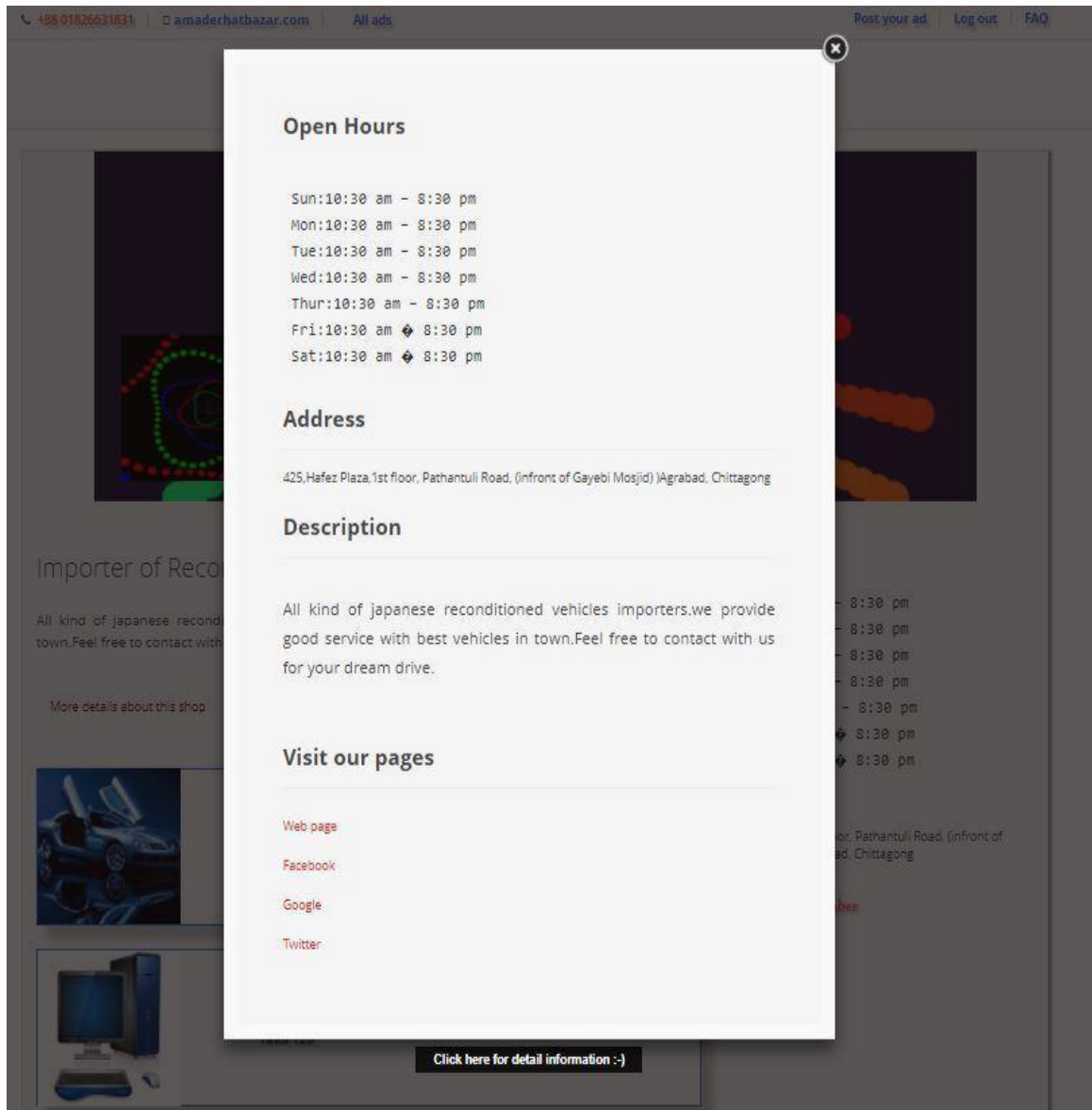


Fig 4.9: for address and social links information

User interface: Some common questions answer has this page.

+88 01826631831

amaderhatbazar.com

All ads

Login

FAQ

What are you searching?

SEARCH

Frequently Asked Questions

1. What is amaderhatbazar.com?

amaderhatbazar.com is the largest online shopping mall in Bangladesh, where all types of products are available and we deliver directly both home and abroad.

2. Why should I choose amaderhatbazar.com?

3. How does it work?

4. Do I have to pay to use amaderhatbazar.com?

5. I forgot my password? Can I reset it?

6. Can I change my email address?

7. I cannot register on your website. Can you help me?

About us

This is online bazaar for this world.

Information

> Customer Service

> Contact Us

> Careers

Our Contacts

24/1/1, Link Road, shamoli
Dhaka, Bangladesh
Phone: +880 1826631831
Email: amaderhatbazar@gmail.com
Skype: amaderhatbazar

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Fig 4.10: for FAQ

User interface: Service related some information have in here.

The screenshot displays the top navigation bar of the amaderhatbazar.com website. It includes a phone icon with the number +88 01826631831, the website URL amaderhatbazar.com, and a link for All ads. On the right side of the header are links for Login and FAQ. Below the header is a search bar with the placeholder text "What are you searching?" and a blue button labeled "SEARCH".

Customer services

Whatever your query, our Customer Services team is here to help. Our dedicated team works from offices around the world to provide support to help you with your purchase and to make online access easy.

If you need help, you can either browse our help pages, or get in touch using the contact details below.

Contact us

For general queries, please email enquiries@amaderhatbazar.com. Alternatively, please choose the relevant email address from the list below.

You may also find the answer to your query via our product-specific help pages.

Email addresses

- Technician - techsupport@amaderhatbazar.com
- Support team - support@amaderhatbazar.com
- Human resource - info@amaderhatbazar.com

About us

This is online bazaar for this world.

Information

- > [Customer Service](#)
- > [Contact Us](#)
- > [Careers](#)

Our Contacts

24/1/1, Link Road, shamoli
Dhaka, Bangladesh
Phone: +880 1826631831
Email: amaderhatbazar@gmail.com
Skype: amaderhatbazar

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Fig 4.11: for Service information

User interface: Career related some information have in here.

+88 01826631831

amaderhatbazar.com

All ads

Login

FAQ

What are you searching?

Q SEARCH

Careers

Very easy to take success from here or there

✓ Client analysis and requirment take

✓ Software analysis

✓ User interface analysis and design

✓ Database analysis and design

✓ Query analysis and report design

✓ Implementation and support

Our positions

Senior Software Engineer

Systems Administrator/Operations Engineer

Technical Support Engineer

Our Contacts

24/1/1, Link Road, shyamoli
Dhaka, Bangladesh
P: +880 1826631831

Email
info@amaderhatbazar.com
support@amaderhatbazar.com

About us

This is online bazaar for this world.

Information

> Customer Service

> Contact Us

> Careers

Our Contacts

24/1/1, Link Road, shamoli
Dhaka, Bangladesh
Phone: +880 1826631831
Email: amaderhatbazar@gmail.com
Skype: amaderhatbazar

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Fig 4.12: for Career information

User interface: If any customer wants contact that time need this page.

+88 01826631831 | amaderhatbazar.com | All ads | Login | FAQ

What are you searching?

Contact us



Name*

Phone No *

Email*

Message*

Fig 4.13: for contact

Chapter 6

Conclusion and Future Plan

Conclusion

Internet has become a main store in current business, thus electronic shopping has gained significance not only from the entrepreneur's but also from the customer's point of view. For the financier, electronic shopping creates new business opportunities and for the customer, it makes comparative shopping possible. As per a survey, most buyers of online stores are impulsive and usually make a decision to stay on a site within the first few seconds. "Website design is like a shop interior. If the shop looks poor or like hundreds of other shops the customer is most likely to skip to the other site". Hence we have designed the project to provide the user with easy navigation, retrieval of data and necessary feedback as much as possible.

Future Plan

1. Rating system add for product.
2. Rating system add for company.
3. Season wise product list.
4. Which product has been sold in larger quantity?
5. Company status views in graphical.
6. Reseller & whole seller best companies.
7. Explain your opinions about this site.

References

There are some web solutions which I study before develop this system. I had few meetings to get the requirements and brain storming on those requirements.

1. <https://www.scribd.com/doc/117240764/Online-Shopping-Synopsis>.
2. <https://www.scribd.com/doc/88753639/Online-Shooping-Project-Report>.
3. https://en.wikipedia.org/wiki/Online_shopping.
4. Abhishek Arora, "Distributed Software Using MVC and Hybernate in Business Applications," MSPProject, CIS Department, University of Michigan – Dearborn, 2014