UNIVERSITY OF MUMBAI

A PROJECT REPORT ON

Online pet(dog) food store

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Master of Computer Application

2018-2021

Roll No.:**03**

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SUBMITTED TO
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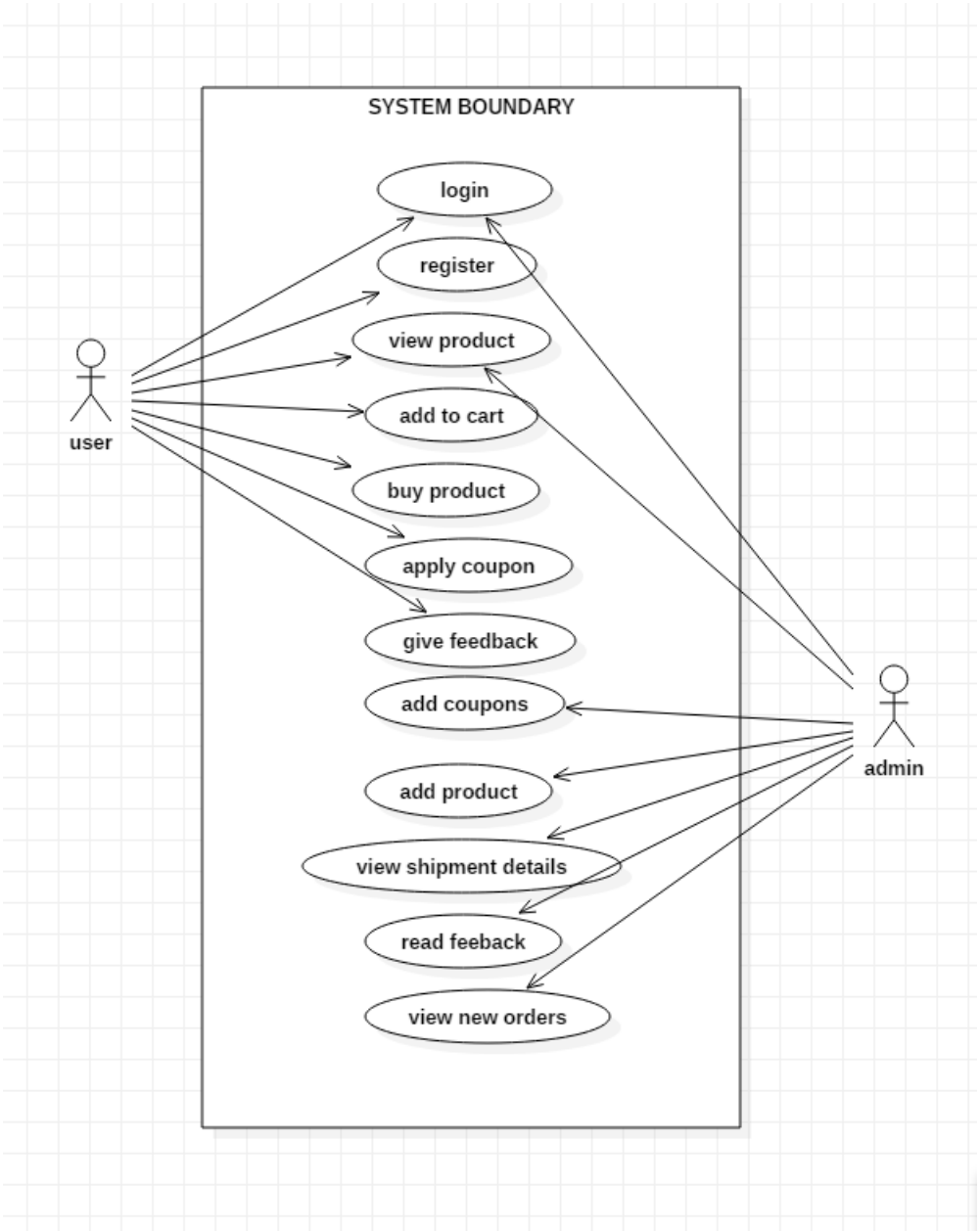
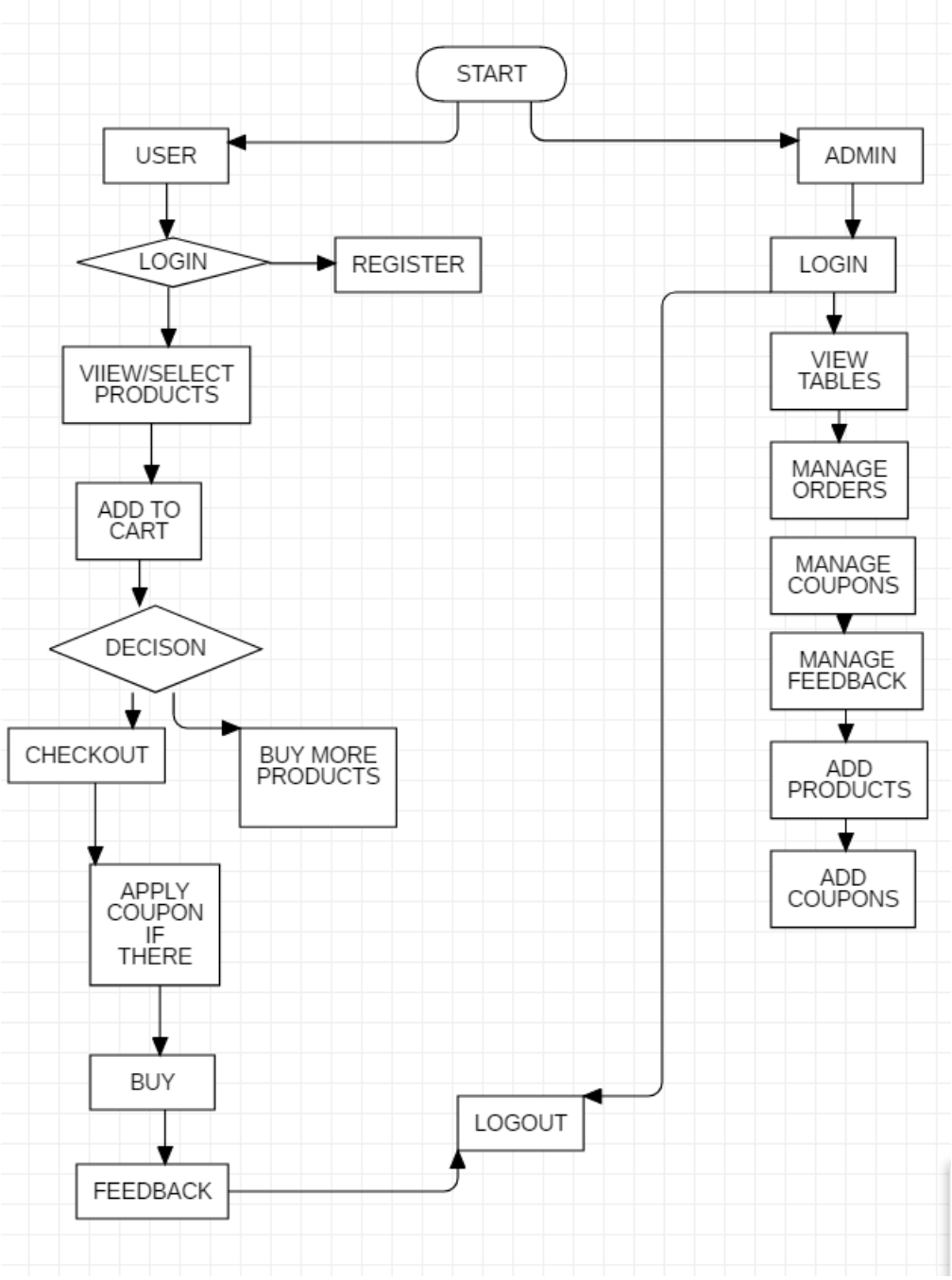
LIST OF DATABASE TABELS

1. Admin
2. User
3. Product
4. Feedback
5. Coupon
6. Purchase
7. Order

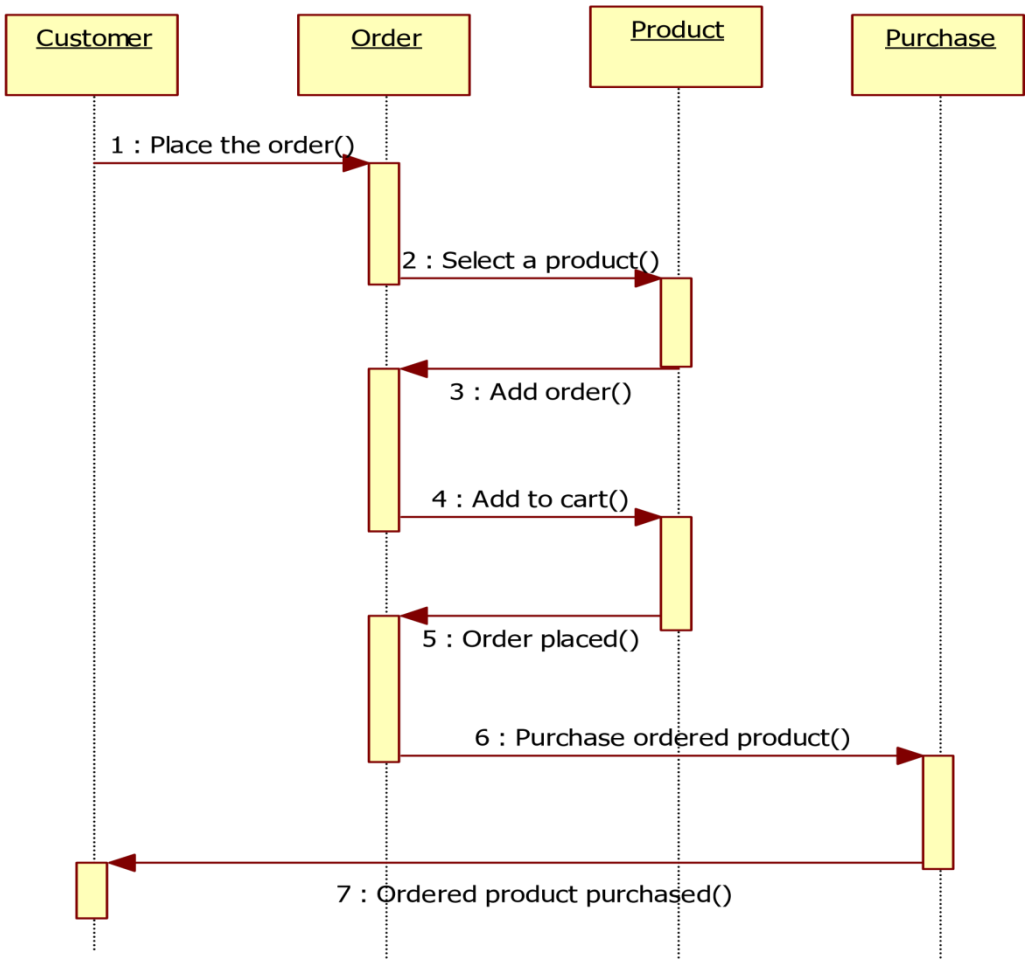
Use-case diagram



Flowchart


START
USER
ADMIN
LOGIN
REGISTER
LOGIN
VIIEW/SELECT PRODUCTS
VIEW TABLES
ADD TO CART
MANAGE ORDERS
MANAGE COUPONS
DECISON
MANAGE FEEDBACK
CHECKOUT
BUY MORE PRODUCTS
ADD PRODUCTS
APPLY COUPON IF THERE
ADD COUPONS
BUY
LOGOUT
FEEDBACK

Sequence d


Customer
Order
Product
Purchase
1 : Place the order()
2 : Select a product()
3 : Add order()
4 : Add to cart()
5 : Order placed()
6 : Purchase ordered product()
7 : Ordered product purchased()

ABSTRACT

The business-to-consumer aspect of electronic commerce (e- commerce) is the most visible business use of the World Wide Web. The primary goal of an e-commerce site is to sell goods and services online.

This project deals with developing an e-commerce website for Online Pet(Dog) Food. It provides the user with a catalog of different pet food available for purchase in the store. In order to facilitate online purchase a shopping cart is provided to the user. The system is implemented using a 3-tier approach, with a backend database, a middle tier of Sun J2EE 1.4 application server and JSP, and a web browser as the front end client.

In order to develop an e-commerce website, a number of Technologies must be studied and understood. These include multi-tiered architecture, server and client side scripting techniques, implementation technologies such as JSP, programming language (such as JAVA, JavaScript, and HTML), relational databases (such as MySQL, Access).

This is a project with the objective to develop a basic website where a consumer is provided with a shopping cart application and also to know about the technologies used to develop such an application.

This document will discuss each of the underlying technologies to create and implement an pet (dog) food store.

INTRODUCTION

The project is a live project for Dog Food Service.

Through this software admin can keep track of all the records.

The Dog-shops are increasing day by day. There is lot of work as to sell Dog Accessories, dog food, dog belt. The reason why we selected Dog Food web service is everybody walking down the street has some idea about Dog Store. The objective of this project is to develop an e- book store where Dog Food can be bought from the comfort of home through the Internet.

With the online dog food service, consumers do not need to blindly go to various places to find their own dog food, but only in a computer connected to the Internet log on online dog food system, in the search box, type you want to find you can efficiently know whether the site has food or not

EXISTING SYSTEM

- Many existing software or particular software for hardware stores are available in market.
- For example, MS Excel, Tally and others software to maintains their records.
- This system works effectively and overcome the entire problem which they are facing currently, and making complete automization of manual system to computerized system

PROBLEM DEFINITION

- However it is not possible to share the data on time through this software, there is lot of duplicate work, and chance of mistake.
- When the records are changed they need to update each and every excel file.
- There is no security; anybody can access any report and sensitive data, also no reports to summary report. Thus this is time consuming process.
- Lots of papers need to be maintained. And its tedious task to find a particular paper and preserve all the documents.

SCOPE OF PROJECT

Our brain interprets information fast and best when received through graphical processing it makes complicated datasets easily understandable and comprehensible through the medium of visual communication.

- To provide users to purchase dog food online.
- To add/delete user manages their accounts.
- To reduce users searching time.
- To Provide great discount over purchasing

- To provide wide collection of dog product ranges.
- To provide user friendly environment.
- To provide facility of user feedback

REQUIREMENT ANALYSIS

FUNCTIONAL REQUIREMENTS

ADMIN

1. The administrator must have an absolute control over the entire database.
2. Thus, admin must be able to delete records from the tables, edit records, update records, modify tables, create tables etc.
3. The account of the administrator must be created initially with the username and password.
4. So Administrator will NOT have a SignUp module, but he/she will have SignIn and SignOut modules.
5. Once logged in the administrator's dashboard must display a list of all the tables.
6. The administrator can select any of these tables to view the data in it and perform the editing tasks on the data when required.
7. When a particular table is selected the records of all students must be fetched from the table and displayed on the screen.
8. This screen then must provide a way to SELECT, UPDATE and DELETE records

USER/CUSTOMER

1. Customer should enter personal details and delivery details
2. User can purchase product and get discounts when he/she enters valid coupon
3. User need to register and account details
4. User need to checkout from the cart
5. User can order as many products he/she wants
6. User needs to enter valid login detail to sign in

DEVELOPMENT TOOLS AND OPERATING ENVIRONMENT

This is a Web application based project, which is developed with the help of JAVA programming language. NetBeans 8.0 is used for developing this Web application. The GUI form building facility, linking those forms to one another, and many more features of this framework proved to be helpful.

SOFTWARE SPECIFICATIONS

Software Requirements:

Operating System	• Windows 7 , XP • Windows 8 , 8.1 • Windows 10
Front End	JSP & Servlet
Back End	MYSQL , GlassFish Server (XAMPP)

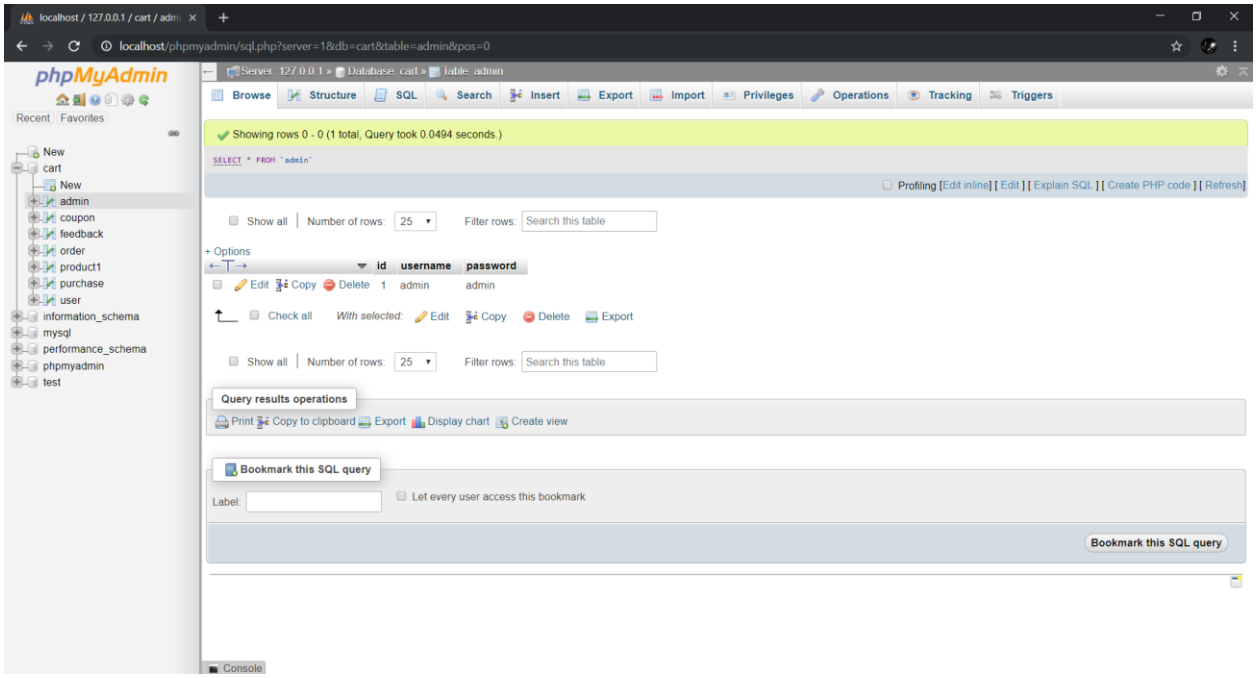
HARDWARE REQUIREMENTS

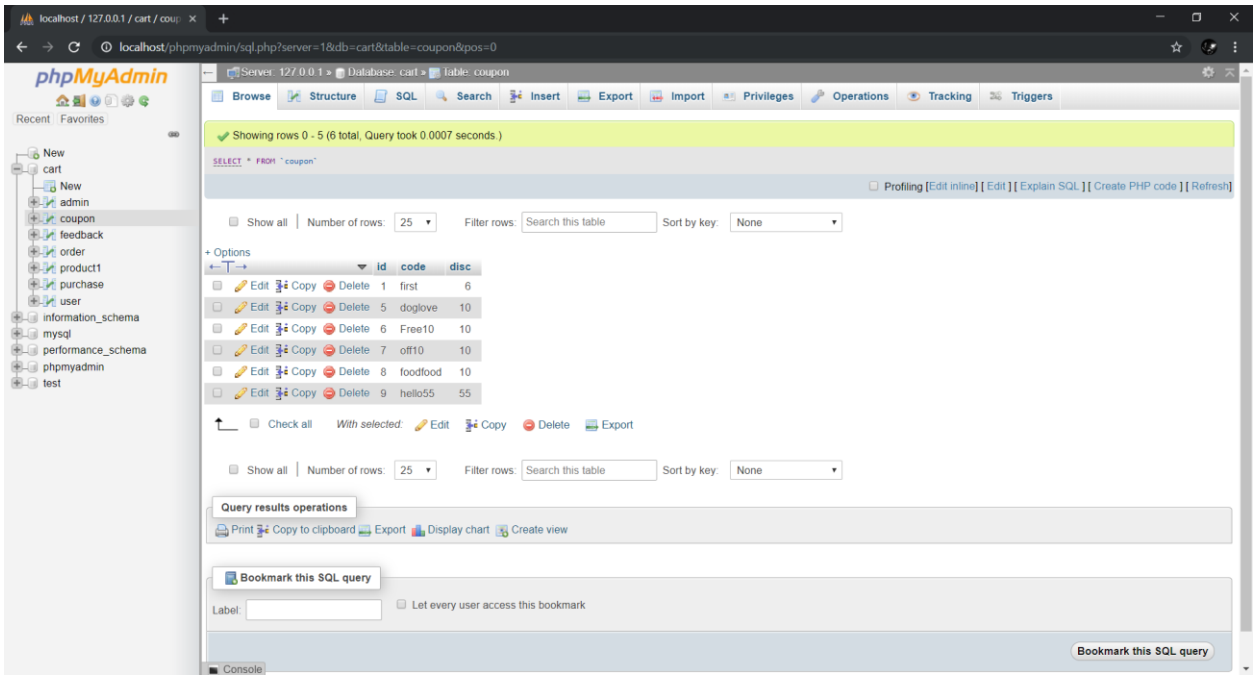
Processor	Intel Pentium or more than 1.6GHz or Higher CPU
RAM	512 MB RAM
Screen Resolution	1024 x 786 display, 5400 RPM hard disk
Supported Arch	X86 and X64

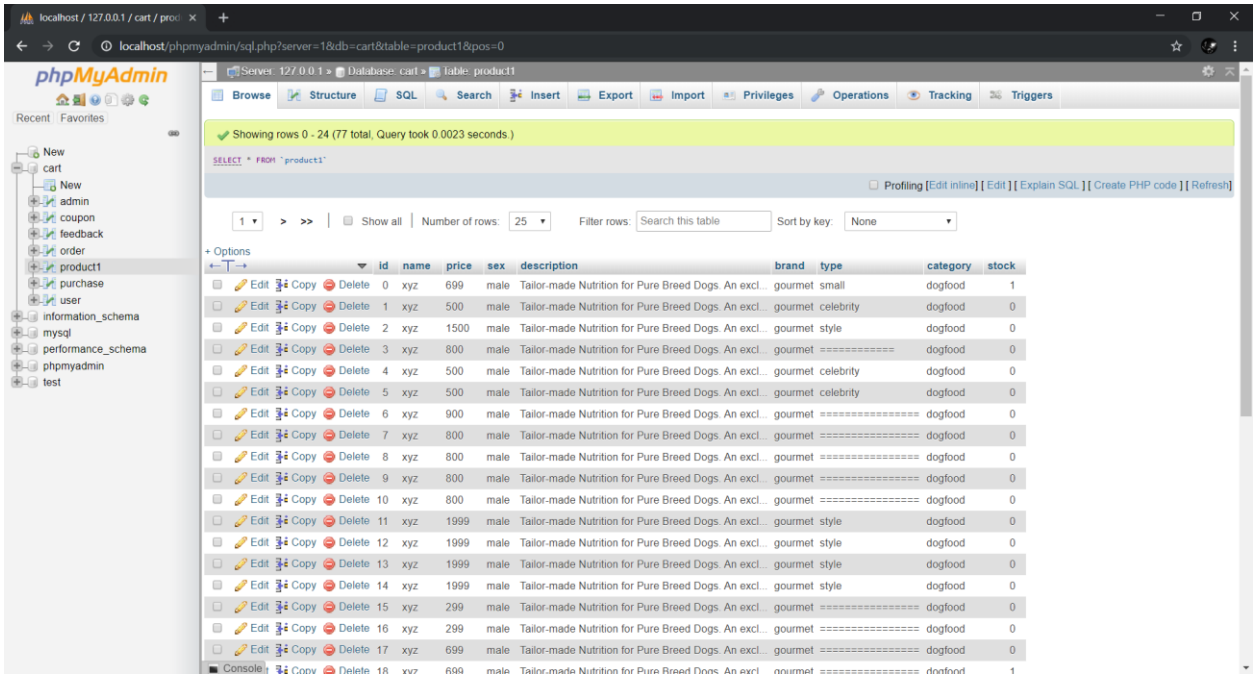
RECOMMENDED REQUIREMENTS

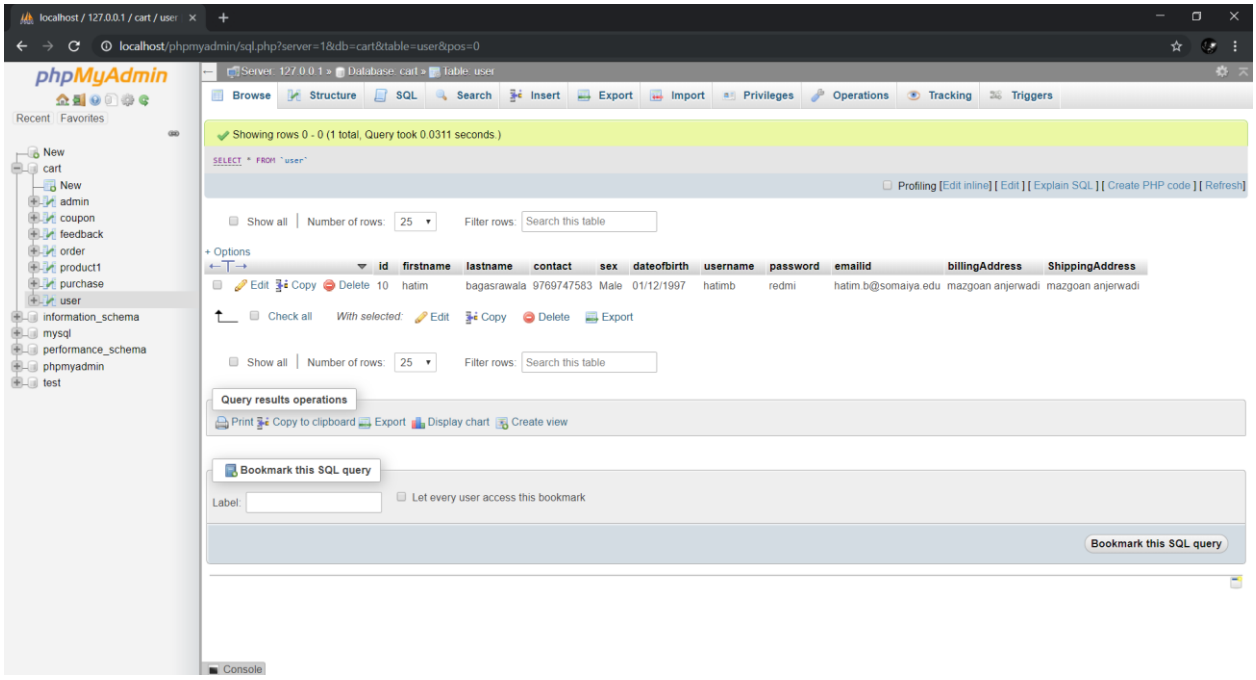
Processor	Intel Pentium or more than 2.4GHz or Higher CPU
RAM	1024 MB or More RAM

DATABASE TABLE SCREENSHOT

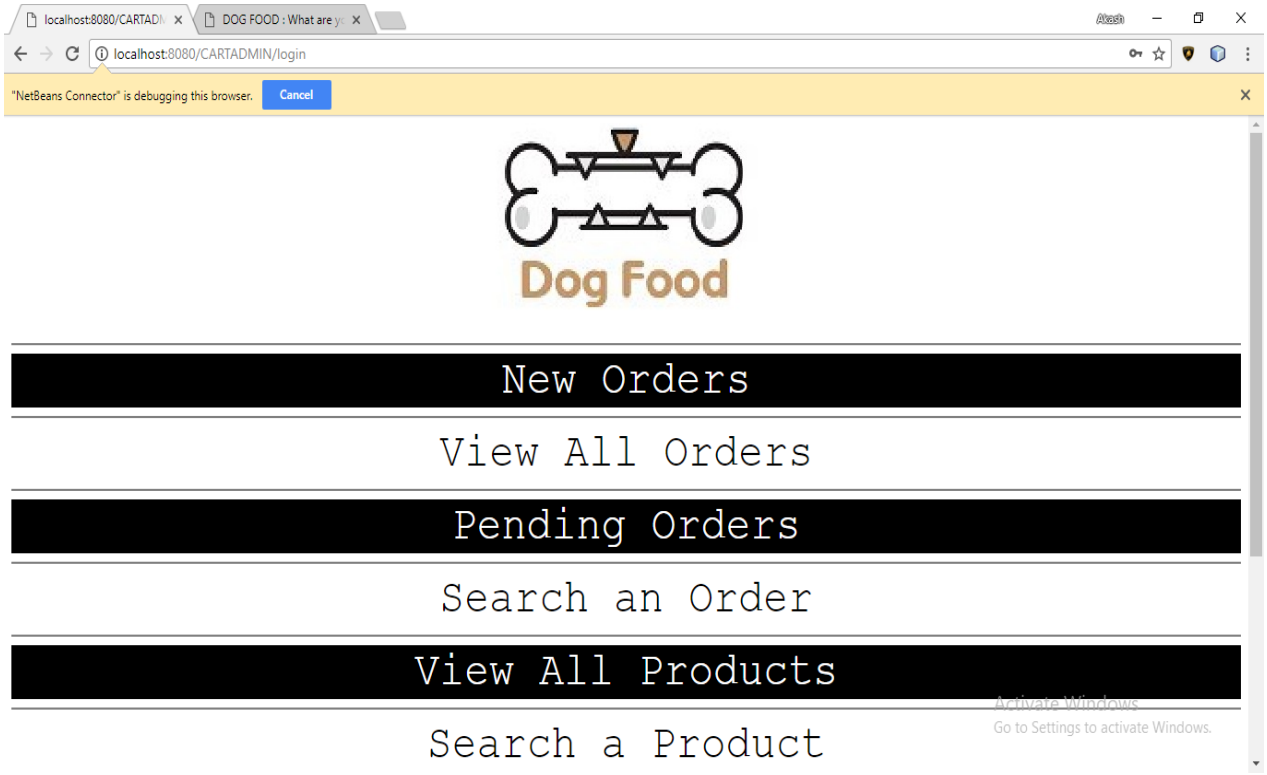


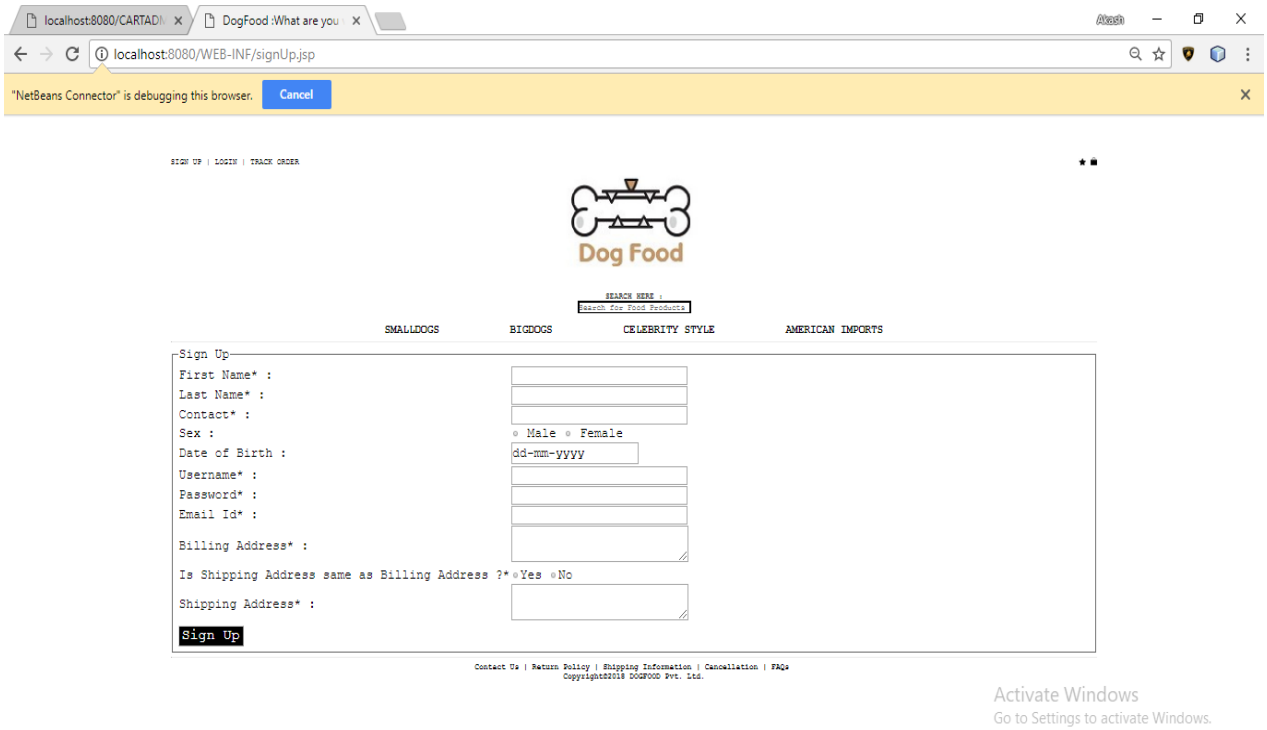






SYSTEM SCREENSHOT


localhost:8080/CARTADMIN/login
"NetBeans Connector" is debugging this browser.
Cancel
Dog Food
New Orders
View All Orders
Pending Orders
Search an Order
View All Products
Search a Product


localhost:8080/WEB-INF/signUp.jsp
"NetBeans Connector" is debugging this browser.
Cancel
SIGN UP | LOGIN | TRACK ORDER
Dog Food
SEARCH HERE :
Search for Food Products
SMALLDOGS
BIGDOGS
CELEBRITY STYLE
AMERICAN IMPORTS
Sign Up
First Name* :
Last Name* :
Contact* :
Sex : Male Female
Date of Birth : dd-mm-yyyy
Username* :
Password* :
Email Id* :
Billing Address* :
Is Shipping Address same as Billing Address ?* Yes No
Shipping Address* :
Sign Up
Contact Us | Return Policy | Shipping Information | Cancellation | FAQs
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TESTING

Function Name	Field name
Required Field Validation	Username, password, contact no, email, productname, productid, sellid, orderid, purchaseprice, sellprice.
E-mail validation	Customer email-id, admin email-id
Password strength validation	password
Character validation	Username
Number validation	purchaseprice, sellprice, contactno

- Unit Testing when building small components of project
- Manually tested all components of the project
- Integration testing is performed when all the components are build together

CONCLUSION

The Internet has become a major resource in modern business, thus electronic shopping has gained significance not only from the entrepreneur's but also from the customer's point of view. For the entrepreneur, electronic shopping generates new business opportunities and for the customer, it makes comparative shopping possible. As per a survey, most consumers 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. In this project, the user is provided with an e-commerce web site that can be used to buy books online. To implement this as a web application we used JSP as the Technology. JSP has several advantages such as enhanced performance, scalability, built- in security and simplicity. To build any web application using JSP we need a programming language such as JAVA, HTML # and so on. JAVA was the language used to build this application. For the client browser to connect to the JSP engine we used J2EE 1.4 Application Server as the Web Server. JSP uses sql driver to interact with the database as it provides in-memory caching that eliminates the need to contact the database server frequently and it can easily deploy and maintain an JSP application. MySQL was used as back-end database since it is one of the most popular open source databases, and it provides fast data access, easy installation and simplicity.

A good shopping cart design must be accompanied with user-friendly shopping cart application logic. It should be convenient for the customer to view the contents of their cart and to be able to remove or add items to their cart. The shopping cart application described in this project provides a number of features that are designed to make the customer more comfortable. This project helps in understanding the creation of an interactive web page and the technologies used to implement it. The design of the project which includes Data Model and Process Model illustrates how the database is built with different tables, how the data is accessed and processed from the tables. The building of the project has given me a precise knowledge about how JSP is used to develop a website, how it connects to the database to access the data and how the data and web pages are modified to provide the user with a shopping cart application.

LIMITATIONS AND FUTURE DEPLOYMENT

There are some limitations for the current system to which solutions can be provided as a future development:

- The system is not configured for multi- users at this time. The concept of transaction can be used to achieve this.
- The Website is not accessible to everyone. It can be deployed on a web server so that everybody who is connected to the Internet can use it.
- Credit Card validation is not done. Third party proprietary software can be used for validation check.
- As for other future developments, the following can be done:
- The Administrator of the web site can be given more functionality, like looking at a specific customer's profile, the books that have to be reordered, etc.
- Multiple Shopping carts can be allowed.

REFERENCES

BOOKS

Java head first

Complete reference

WEBSITES

- https://www.tutorialspoint.com/jsp/index.htm
- https://www.javatpoint.com/jsp-tutorial
- https://beginnersbook.com/jsp-tutorial-for-beginners/
- http://www.mysqltutorial.org/
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