

EduBridge



EduBridge Learning Pvt.Ltd

Center: Trichy

A Main Project Report
On

E-Commerce Application

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Introduction:

E-commerce (electronic commerce) is the buying and selling of goods and services, or the transmitting of funds or data, over an electronic network, primarily the internet. These business transactions occur either as business-to-business (B2B), business-to-consumer (B2C), consumer-to-consumer or consumer-to-business. E-commerce web-page can be accessed throughout the customers with proper login provided.

Main Modules:-

- Admin Module
- User Module
- Register Module
- Index Module

I have developed this Application in **Java, JSP, Servlets, Hibernate and MySQL**. It's a web-based projects so I have used **HTML, CSS, JavaScript and Bootstrap**.

The primary goal of e-commerce is **to reach maximum customers at the right time to increase sales and profitability of the business**. Functions of e-commerce include buying and selling goods, transmitting funds or data over the internet.

The main objective of the E-Commerce is to reduce manual work and time. It is difficult and time-consuming to collect all the details from each customer. To avoid this problem, we have planned to develop a web-based E-Commerce system. In Admin module, admin can add the Category and Products in the specific category. He can also view the total number of users at present in the website, category and product details also. Admin can only see the admin page and cart if he wants to order something.

The Seven Features of eCommerce

- Provide Ubiquity to Increase Sales
- Strike an Information
- Density Balance
- Ensure Global Reach and Security
- Have Universal Standards
- Don't Skimp on Richness
- Think About Interactivity

Advantages of ecommerce web-site

- ✓ Faster buying process
- ✓ Store and product listing creation
- ✓ Cost reduction
- ✓ Product and price comparison
- ✓ Faster response to buyer/market demands
- ✓ Affordable advertising and marketing
- ✓ Flexibility for customers
- ✓ No reach limitations.

Admin Module: Admin can able to handle User portal and Registration portal. It provides access to the User for uploading new product as well as to track the order of product with a username and password.

User Module: Recruiter can access this website by signing up. User can search for the product, access to save it for later, monitoring their order and Payments.

Register Module: In this module a new user can signing up using their Username, Email ID, password and their address.

Index Module: In this Module the user can view the name, price and rating for the products. And have access to buy the product. Also, having the customer supports and can view the best deal of the day.

Software Requirements:

Front end: Java/J2EE technologies (Servlet, JSP), HTML, CSS, JavaScript, Bootstrap and Hibernate.

Back end: MySQL workbench.

Middleware/Server: Apache Tomcat v8.5. IDE: Spring tool suite for Java EE Developers

Browser: Google Chrome

Operating System: Windows

Data Dictionary:

- Create Database shoppingdb;
-

```
MySQL 8.0 Command Line Client
mysql> show tables;
+-----+
| Tables_in_shoppingdb |
+-----+
| categories            |
| login                 |
| products              |
| users                 |
+-----+
4 rows in set (0.46 sec)

mysql>
```

```
MySQL 8.0 Command Line Client
mysql> describe categories;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra          |
+-----+-----+-----+-----+-----+-----+
| categoryid | int           | NO   | PRI | NULL    | auto_increment |
| name       | varchar(255)  | NO   |     | NULL    |                |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.70 sec)

mysql> describe login;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra          |
+-----+-----+-----+-----+-----+-----+
| id         | int           | NO   |     | NULL    |                |
| password   | varchar(20)   | NO   |     | NULL    |                |
| username   | varchar(20)   | NO   |     | NULL    |                |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

```
mysql> describe products;
```

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
name	varchar(255)	NO		NULL	
image	text	NO		NULL	
categoryid	int	NO	MUL	NULL	
quantity	int	NO		NULL	
price	int	NO		NULL	
weight	int	NO		NULL	
description	text	NO		NULL	

```
8 rows in set (0.07 sec)
```

```
mysql> describe users;
```

Field	Type	Null	Key	Default	Extra
user_id	int	NO	PRI	NULL	auto_increment
username	varchar(45)	NO		NULL	
password	varchar(64)	NO		NULL	
role	varchar(250)	NO		ROLE_USERS	
enabled	tinyint	YES		NULL	
email	varchar(110)	NO		NULL	

```
6 rows in set (0.00 sec)
```

Screenshots:-

Home Page:

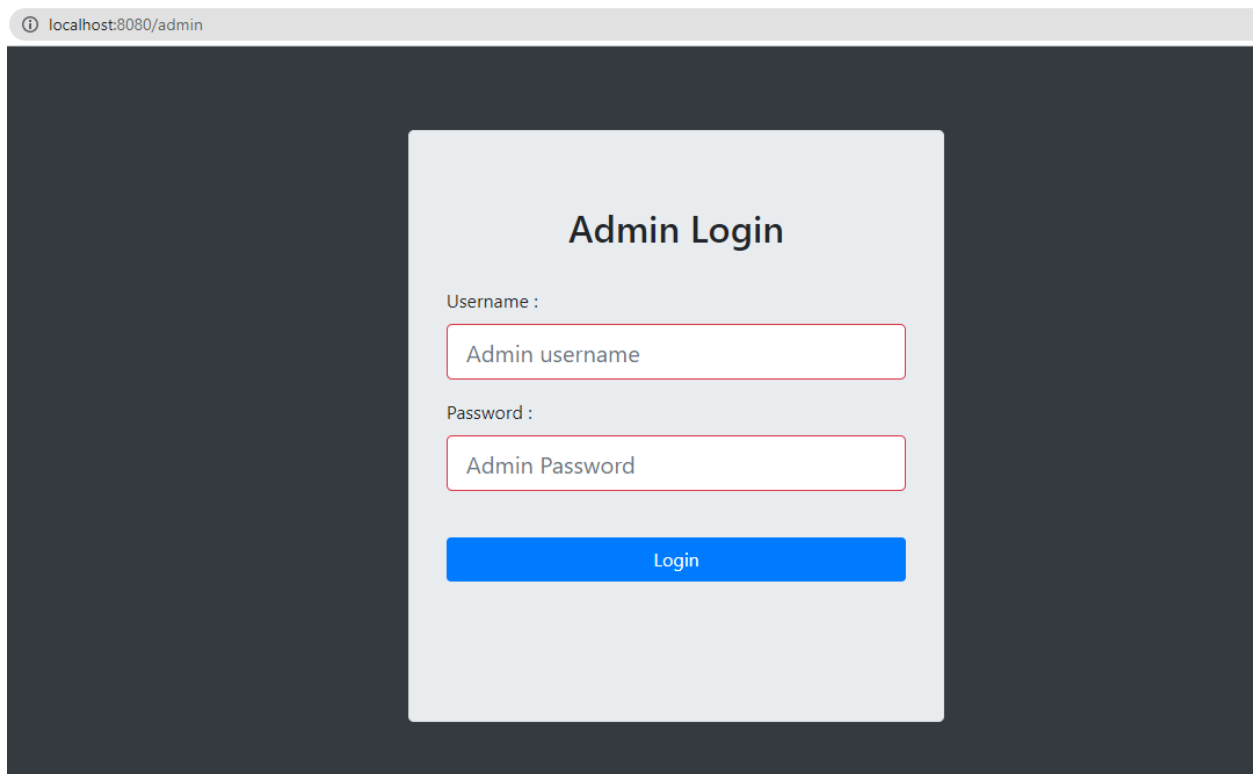
User Login

Username

Password

Don't have an account [Register here](#)

Admin Page:



The screenshot shows a web browser window with the address bar displaying 'localhost:8080/admin'. The main content area has a dark gray background. In the center, there is a light gray rectangular box containing the 'Admin Login' form. The form has a title 'Admin Login' at the top. Below the title, there are two labels: 'Username :' and 'Password :'. Each label is followed by a text input field. The 'Username' field contains the text 'Admin username' and the 'Password' field contains the text 'Admin Password'. Both input fields have a red border. Below the input fields, there is a blue button with the text 'Login'.

localhost:8080/admin

Admin Login

Username :

Password :

New Registration page:

Sign Up Now

Please fill out this to register

User Name

Email address

We'll never share your email with anyone else.

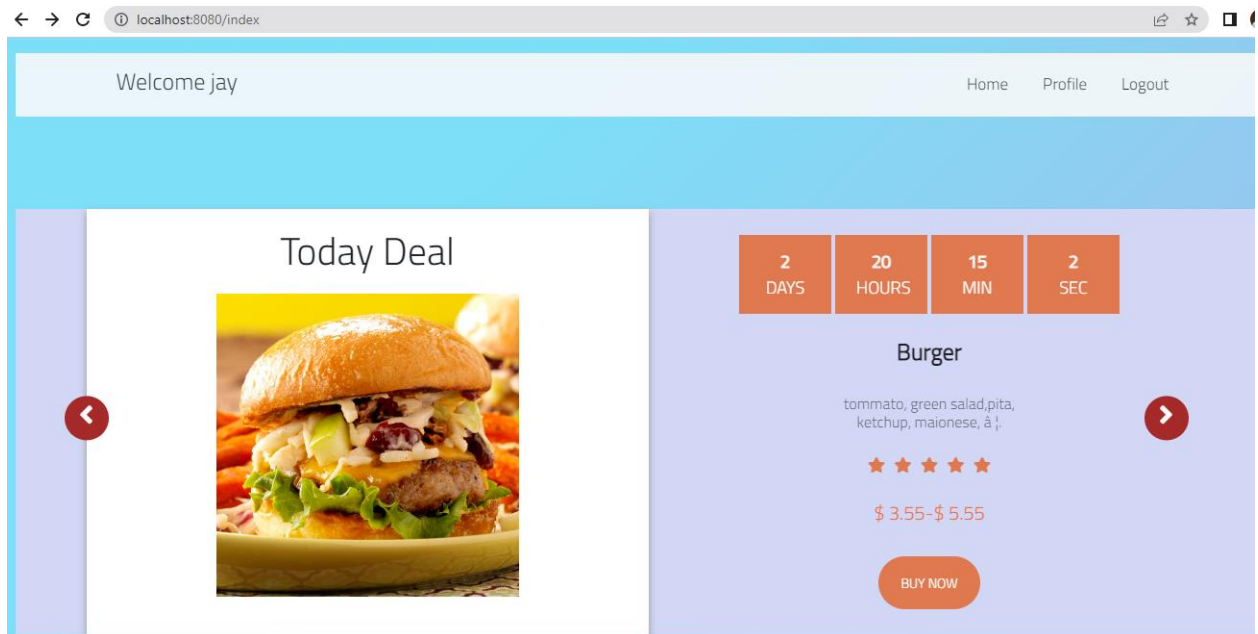
Password

Address

Already have an account [Login here](#)

Register

User Index:

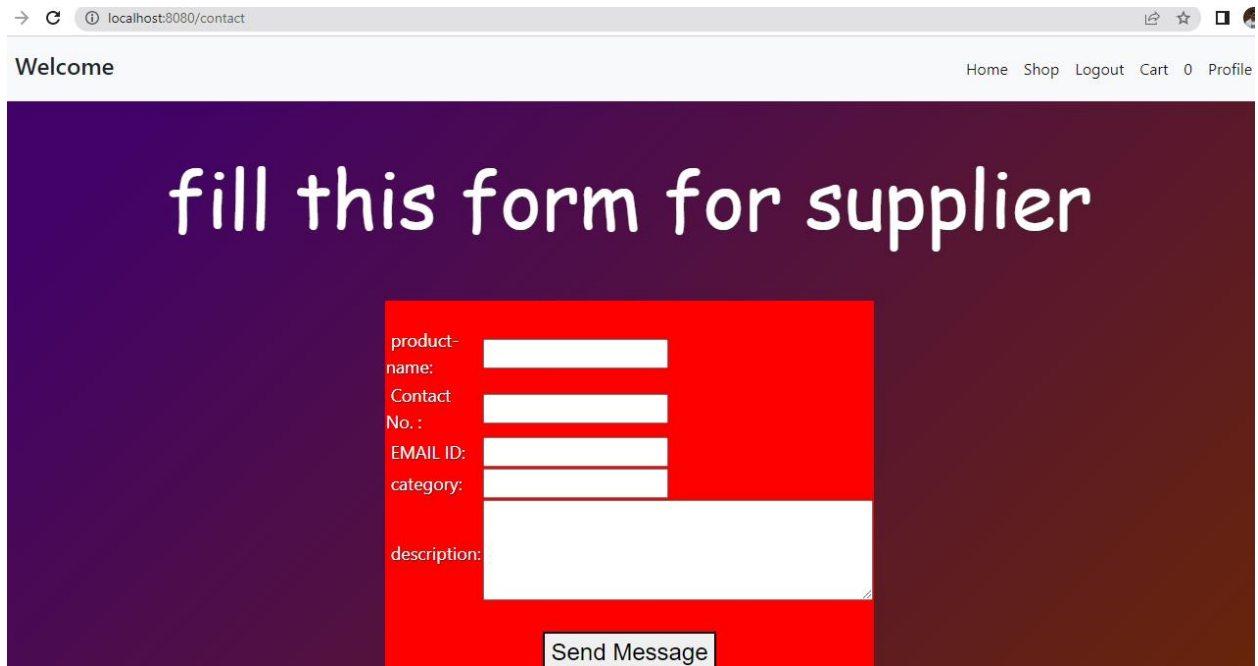


User Profile Page:

The screenshot shows a web browser at localhost:8080/profileDisplay. The page title is 'User Profile'. The form contains the following fields and elements:

- User Name:** A text input field containing the value 'jay'.
- Email address:** A text input field containing the value '123'. Below this field is a note: 'We'll never share your email with anyone else.'
- Password:** A password input field with masked characters '.....'.
- Address:** A text input field containing the value '1'.
- Update Profile:** A blue button at the bottom of the form.

User Support Page:



The screenshot shows a web browser window with the address bar displaying 'localhost:8080/contact'. The page has a light gray header with the word 'Welcome' on the left and navigation links 'Home', 'Shop', 'Logout', 'Cart 0', and 'Profile' on the right. The main content area has a dark purple background with the text 'fill this form for supplier' in white. Below this text is a red rectangular form. The form contains the following fields: 'product-name:' with a single-line text input, 'Contact No.:' with a single-line text input, 'EMAIL ID:' with a single-line text input, 'category:' with a single-line text input, and 'description:' with a multi-line text area. At the bottom of the form is a 'Send Message' button.

product-name:

Contact No.:

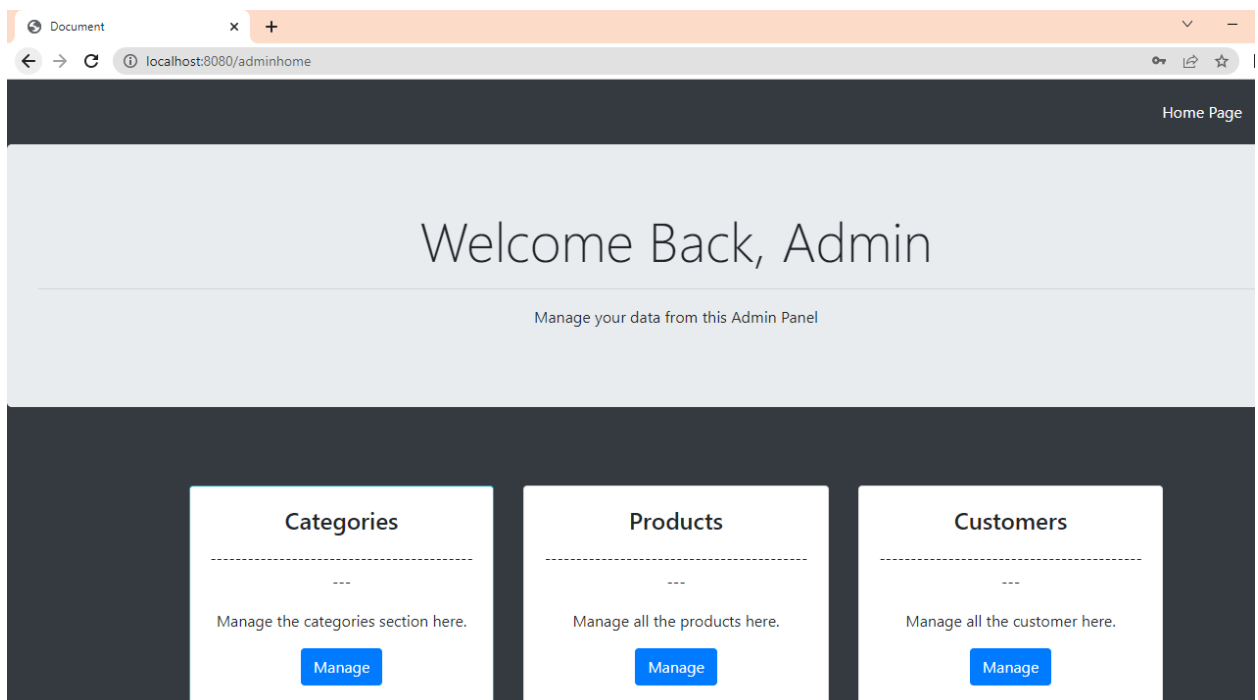
EMAIL ID:

category:

description:

Send Message

Admin Home Page:



The screenshot shows a web browser window with the address bar displaying 'localhost:8080/adminhome'. The page has a dark gray header with the text 'Home Page' on the right. The main content area has a light gray background with the text 'Welcome Back, Admin' in a large font. Below this text is a subtitle 'Manage your data from this Admin Panel'. At the bottom of the page are three white rectangular cards, each with a title and a 'Manage' button. The cards are: 'Categories' with the text 'Manage the categories section here.', 'Products' with the text 'Manage all the products here.', and 'Customers' with the text 'Manage all the customer here.'.

Home Page

Welcome Back, Admin

Manage your data from this Admin Panel

Categories

Manage the categories section here.

Manage

Products

Manage all the products here.

Manage

Customers

Manage all the customer here.

Manage

Categories page:

Document

localhost:8080/admin/categories

Add Category

SN	Category Name	Delete	Update
6	category6	Delete	Update
8	category7	Delete	Update
11	fruit	Delete	Update

Add Product page:

Document

localhost:8080/admin/products/add

Add a new Product

Price

Price

Weight in grams

Weight

Available Quantity

Quantity


Product Description

Product Details

Product Image

Choose file

Browse



Submit

THANK YOU.