

shashirajraja / shopping-cart

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Online Shopping Cart E-Commerce Website Project in Java, JDBC, Servlets, JSP. Built for selling of goods online and managing the cart items of the user and providing them better facilities like adding items, removing items, increase or decrease item quantity.

Apache-2.0 license

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Add file

Code

...

shashirajraja Merge pull request #17 from shashirajraja/shashirajraja-patch-2

30fcead · 2 years ago

.github/ISSUE_TEMPLATE	Update issue templates	2 years ago
.settings	project base folder changed	2 years ago
WebContent	readme updated	2 years ago
databases	database update	2 years ago
src	Demand service code documentation	2 years ago
.classpath	project base folder changed	2 years ago
.gitignore	project base folder changed	2 years ago
.project	project base folder changed	2 years ago
LICENSE	Initial commit	6 years ago
README.md	Url update https://www.youtube.com...	2 years ago
pom.xml	project base folder changed	2 years ago

Online Shopping Cart (E-Commerce Website)

- Youtube Video for introduction, demo and setup for this Project: https://www.youtube.com/watch?v=RgQG0_orFpM

This is an E-Commerce Website build for selling of any electronics products online.

About

In this projects a user can visit the websites, registers and login to the website. They can check all the products available for shopping, filter and search item based on different categories, and then add to cart. They can add multiple item to the cart and also plus or minus the quantity in the cart. Once the cart is updated, the user can proceed to checkout and click the credit card payment details to proceed. Once the payment is success the orders will be placed and users will be able to see the orders details in the orders section along with the shipping status of the product.

The admin also plays an important role for this project as the admin is the one responsible for adding any product to the store, updating the items, removing the item from the store as well as managing the inventory. The admin can see all the product orders placed and also can mark them as shipped or delivered based on the conditions.

One of the best functionality that the projects include is mailing the customers, so once a user registers to the website, they will recieve a mail for the successful registration to the website, and along with that whenever a user orders any product or the product got shipped from the store, then the user will also receive the email for its confirmation. Sometimes, if the user tried to add any item which is out of stock, them they will get an email one the item is available again the stock.

Note: The payment page is created only for demo purpose and its not fully integrated with any payment gateway. So for now any credit card details will be accepted and the demo orders will be placed.

Highlights :--

The users will get a mail to their registered mail Id during:-

- New User Registration
- Order Successfully Placed
- The Item was out of stock while exploring but now it got available in the store
- Successful shipment and delivery of the Item

Technologies used:-

1. Front-End Development:

- HTML
- CSS
- Javascript
- BootStrap

2. Back-End Development:

- Java [JDK 8+]
- JDBC

- Servlet
 - JSP
3. Database:
- MySql

📖 README 🔒 Apache-2.0 license



- : Git [<https://www.youtube.com/watch?v=gv7VPQ4LZ7g>]
- : Java JDK 8+ [<https://www.youtube.com/watch?v=O9PWH9SeTTE>]
- : Eclipse EE (Enterprise Edition) [<https://www.youtube.com/watch?v=8aDsEV7txXE>]
- : Apache Maven [<https://www.youtube.com/watch?v=jd2zx3dLjuw>]
- : Tomcat v8.0+ [<https://youtu.be/mLFPodZO8lw?t=903>]
- : MySQL Server [<https://www.youtube.com/watch?v=Ydh5jYA6Frs>]
- : MySQL Workbench [<https://www.youtube.com/watch?v=t79oCeTXHwg>]

===== Dummy Database Initialization =====

STEP 1: Open MySQL Command Prompt or MySQL Workbench

STEP 2: Login to the administrator user of MySql: `mysql -u <username> -p` (Enter Password if asked)

STEP 3: Copy paste and execute the MySQL Query from the following file:-

- Run the Sql Query From this file: [databases/mysql_query.sql](#)

===== GENERATING GMAIL APP PASSWORD [For Mailing Functionalities] =====

Step 1: Create a gmail account or login to existing account in any browser

Step 2 : Go to <https://myaccount.google.com/security> and check if 2 step verifications is enabled or not, enable it if not enabled

Step 3: Go to <https://myaccount.google.com/apppasswords> and enter password if asked

Step 4: In Select an App Section: select Other (custom name) => enter "Ellison Electronics" => Generate

Step 5: After that it will generate 16 digits app password which you need to copy and save for future configurations.

Step 6: Done : Now continue to importing the project. [Don't share the above password generated to anyone]

===== Importing and Running The Project Through Eclipse EE =====

Step 1: Open Eclipse Enterprise Edition. [Install, if not already installed.]

Step 2: Click On File > Import > Git > Projects From Git > Clone Uri > Paste The Repository Url as:
`https://github.com/shashirajraja/shopping-cart.git` > Select master Branch > Next > Next > Finish.

Step 3: Go inside `Java Resources > src > application.properties` and update the values as below:

- a) Update value for db.username and db.password according to your installed mysql credentials.
- b) Update value for mailer.email and mailer.password, with the same email and app password that you generated earlier in above section [NOTE:Actual gmail password will not work]

Step 4: Right Click on Project > Run as > Maven Build > In the goals field enter "clean install" > apply > run

Step 5: Right Click On Project > Build Path > Configure Build Path > Libraries > Remove and Update Any Libraries if Red Mark Exists > Finish.

Step 6: Right Click on Project > maven > update project > select force update > apply > close

Step 7: Tomcat Configurations:

- If Tomcat Server is not configured in Eclipse :
 - Right Click On Project > Run As > Run On Server > Manually Define a new server > Select server type > select Tomcat v8.0+ > (Select Tomcat V8.0+ Installation Location If Asked) > Next > Add the current project > Finish.
 - Else If Tomcat Server is already configured in Eclipse:
 - Right Click On Project > Run As > Run On Server > Select Tomcat Version > Next > Add the project > Finish.
- or
- You can directly goto server tab, select the tomcat server and use the debug or run button to start the previously ran project

Step 8: Check Running The Site At <http://localhost:8080/shopping-cart/>

Step 9: [To Change the Port, if getting error like 'port already in use'] Open The Server Tab > Double Click On Tomcat Server > Ports > Change The Port Number For Http/1.1 To 8083 > Close And Save. Now Start and you can access the project on <http://localhost:8083/shopping-cart/>

Step 10: Default Username And Password For Admin Is "admin@gmail.com" And "admin"

Step 11: The default Username And Password For User Is "guest@gmail.com" And "guest"

FAQ

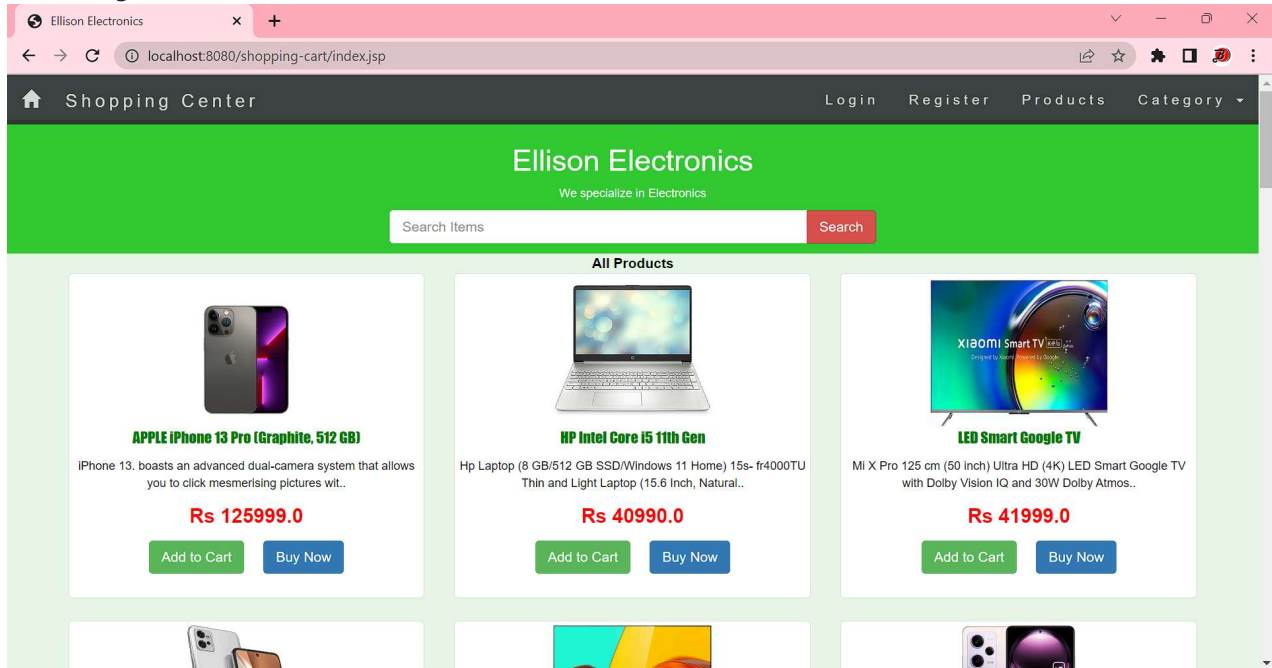
Question:1 Unable to Connect to Database?

Answer: Please check you have installed the mysql correctly and have updated the correct db details in application.properties file. Also you can try doing maven clean install and force update the project and restart.

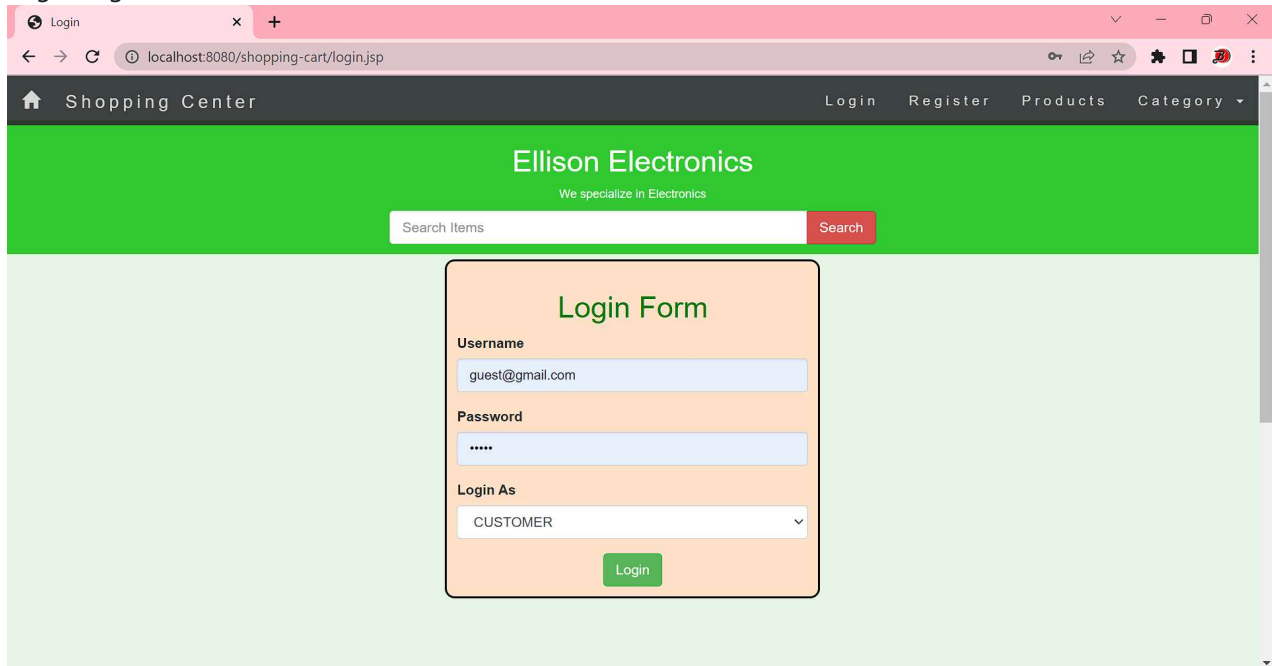
Note:- This is a Sample Project for learning purpose, we have not much considered of web security.

Some Screenshots for the project:

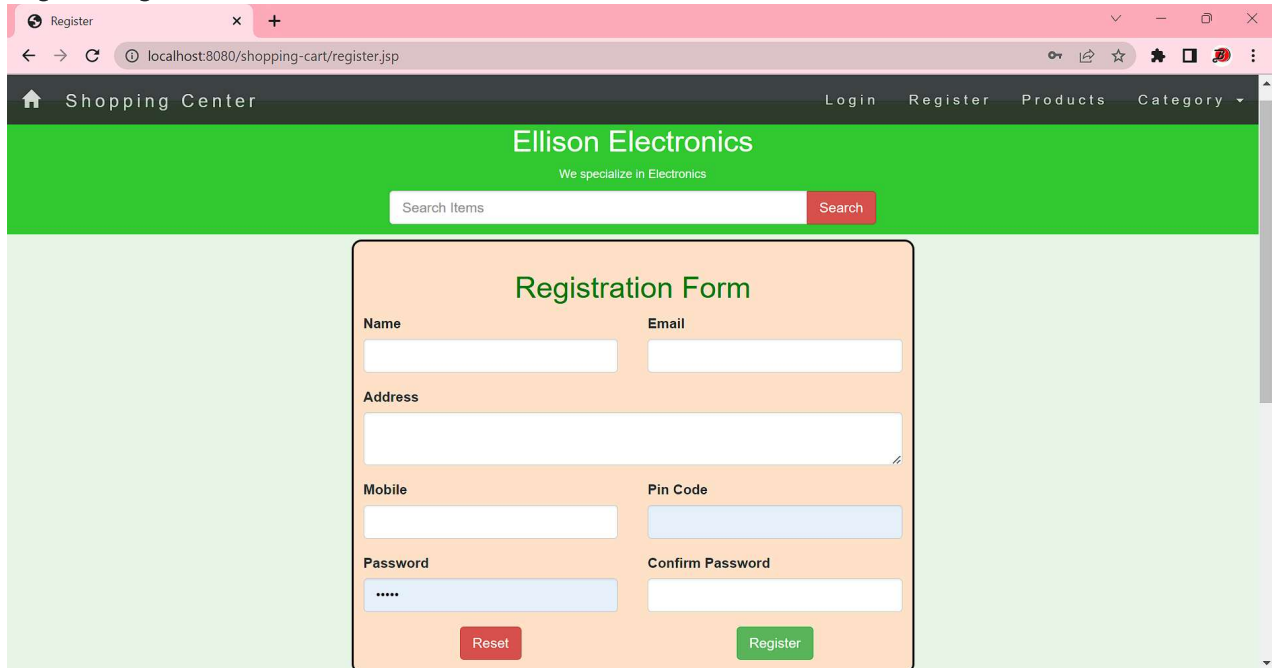
• Home Page



• Login Page



- Register Page



Register

Shopping Center

Login Register Products Category

Ellison Electronics

We specialize in Electronics

Search Items Search

Registration Form

Name Email

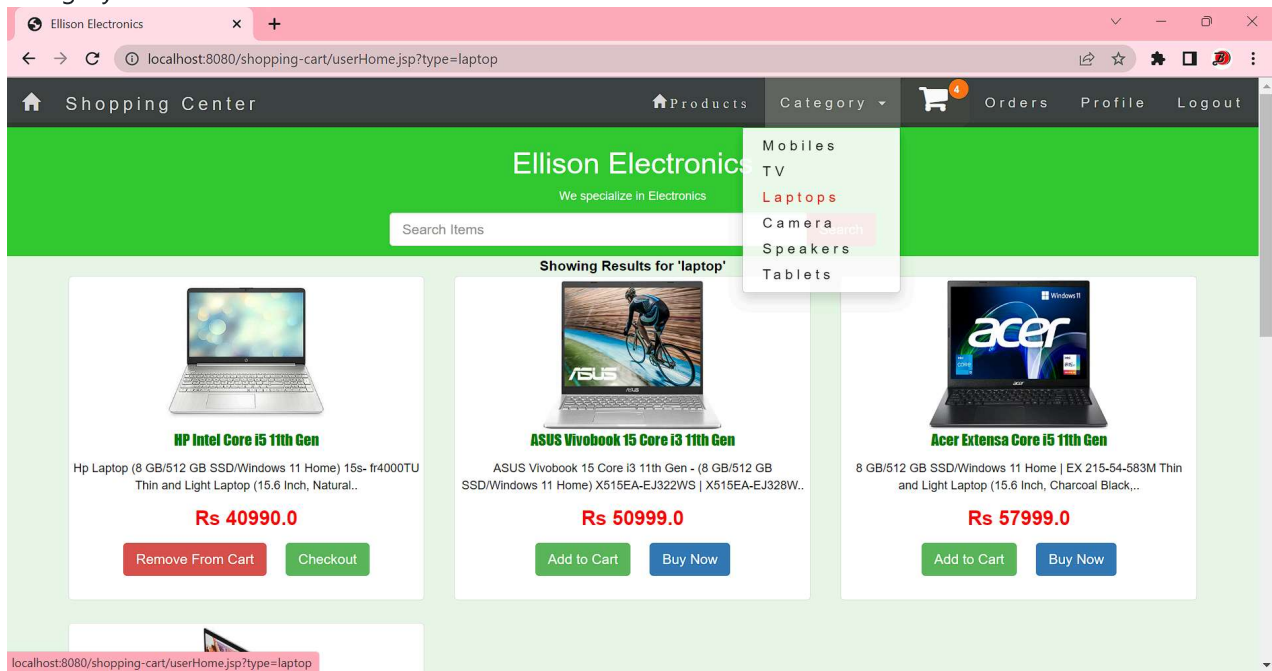
Address

Mobile Pin Code

Password Confirm Password

Reset Register

- Category Wise Product Filter



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Search Items

Showing Results for 'laptop'

Category

- Mobiles
- TV
- Laptops
- Camera
- Speakers
- Tablets

HP Intel Core i5 11th Gen

Hp Laptop (8 GB/512 GB SSD/Windows 11 Home) 15s- fr4000TU
Thin and Light Laptop (15.6 Inch, Natural...)

Rs 40990.0

Remove From Cart Checkout

ASUS Vivobook 15 Core i3 11th Gen

ASUS Vivobook 15 Core i3 11th Gen - (8 GB/512 GB
SSD/Windows 11 Home) X515EA-EJ322WS | X515EA-EJ328W..

Rs 50999.0

Add to Cart Buy Now

Acer Extensa Core i5 11th Gen

8 GB/512 GB SSD/Windows 11 Home | EX 215-54-583M Thin
and Light Laptop (15.6 Inch, Charcoal Black...)

Rs 57999.0

Add to Cart Buy Now

localhost:8080/shopping-cart/userHome.jsp?type=laptop

- Cart Items

The screenshot shows the 'Cart Items' page of the Ellison Electronics website. The page has a green header with the site name and a search bar. Below the header, there is a table listing the items in the cart. The table has columns for Picture, Products, Price, Quantity, Add, Remove, and Amount. The items listed are:

Picture	Products	Price	Quantity	Add	Remove	Amount
	realme NEO 80 cm (32 inch) HD Ready LED Smart Linux TV (RMV2101)	11999.0	2	Update	+	23998.0
	APPLE iPhone 13 Pro (Graphite, 512 GB)	125999.0	1	Update	+	125999.0
	HP Intel Core i5 11th Gen	40990.0	1	Update	+	40990.0
	ASUS Vivobook 15 Core i3 11th Gen	50999.0	1	Update	+	50999.0
Total Amount to Pay (in Rupees)						241986.0

At the bottom of the table, there are two buttons: 'Cancel' and 'Pay Now'.

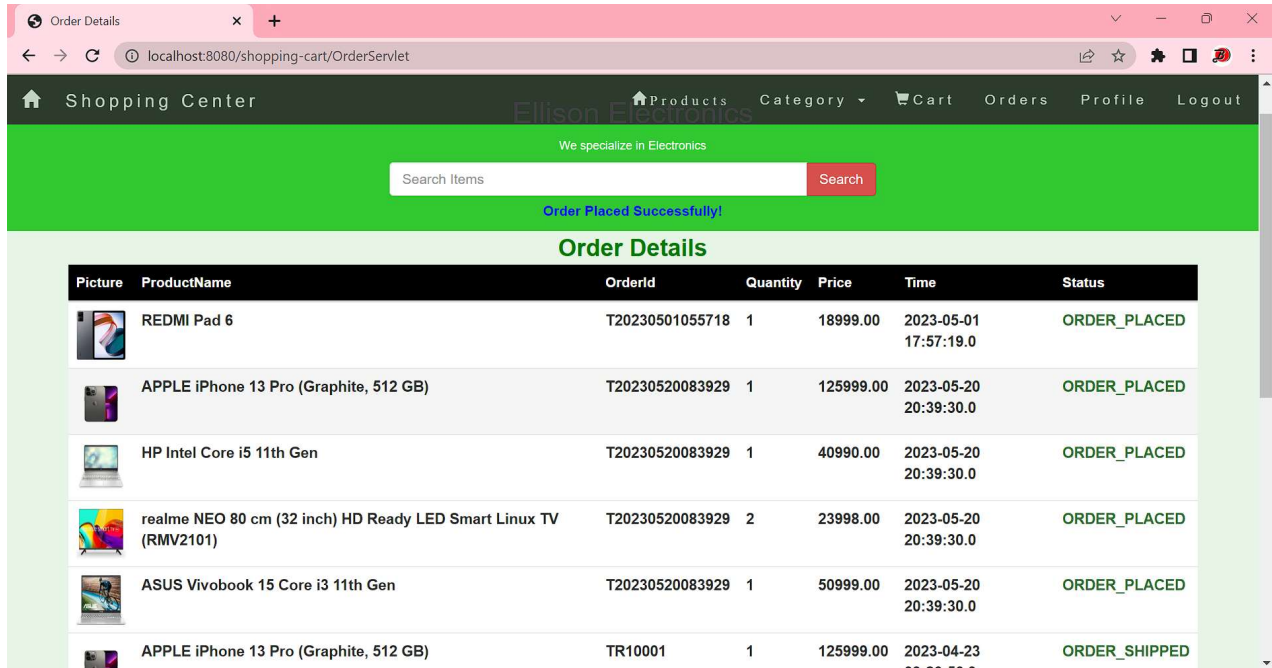
- Credit Card Payment

The screenshot shows the 'Credit Card Payment' page of the Ellison Electronics website. The page has a green header with the site name and a search bar. Below the header, there is a form for entering credit card details. The form has the following fields:







- Name of Card Holder: Enter Card Holder Name
- Enter Credit Card Number: 4242-4242-4242-4242
- Expiry Month: MM
- Expiry Year: YYYY
- Enter CVV: 123

At the bottom of the form, there is a green button labeled 'Pay :Rs 241986.0'.

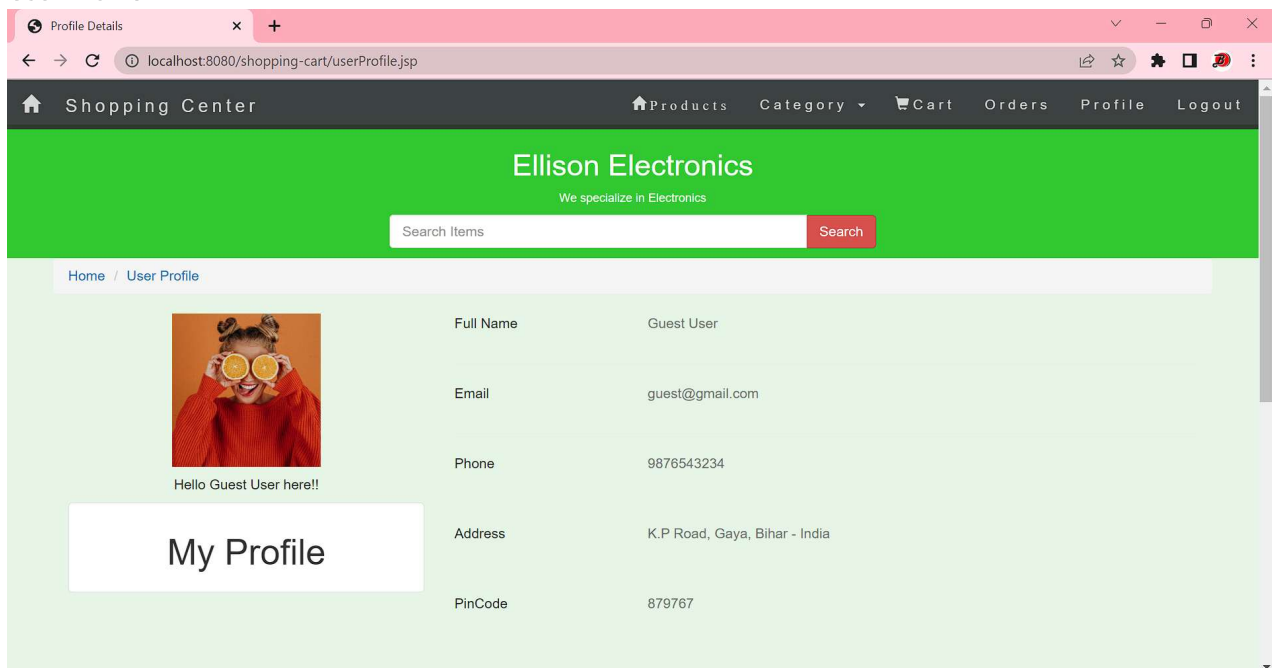
- Order Details & Status



Order Details

Picture	ProductName	Orderid	Quantity	Price	Time	Status
	REDMI Pad 6	T20230501055718	1	18999.00	2023-05-01 17:57:19.0	ORDER_PLACED
	APPLE iPhone 13 Pro (Graphite, 512 GB)	T20230520083929	1	125999.00	2023-05-20 20:39:30.0	ORDER_PLACED
	HP Intel Core i5 11th Gen	T20230520083929	1	40990.00	2023-05-20 20:39:30.0	ORDER_PLACED
	realme NEO 80 cm (32 inch) HD Ready LED Smart Linux TV (RMV2101)	T20230520083929	2	23998.00	2023-05-20 20:39:30.0	ORDER_PLACED
	ASUS Vivobook 15 Core i3 11th Gen	T20230520083929	1	50999.00	2023-05-20 20:39:30.0	ORDER_PLACED
	APPLE iPhone 13 Pro (Graphite, 512 GB)	TR10001	1	125999.00	2023-04-23 00:00:00.0	ORDER_SHIPPED

- User Profile



Profile Details

Home / User Profile

Hello Guest User here!!

My Profile

Full Name	Guest User
Email	guest@gmail.com
Phone	9876543234
Address	K.P Road, Gaya, Bihar - India
PinCode	879767

• Admin Home

View Products

localhost:8080/shopping-cart/LoginSrv

Shopping Center

Products Category Stock Shipped Orders Update Items Logout

Ellison Electronics

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Search Items

All Products

APPLE iPhone 13 Pro (Graphite, 512 GB) (P20230423082243)

iPhone 13, boasts an advanced dual-camera system that allows you to click mesmerising pictures with immaculate clarity.

Rs 125999.0

Remove Product Update Product

HP Intel Core i5 11th Gen (P20230423083830)

Hp Laptop (8 GB/512 GB SSD/Windows 11 Home) 15s- fr4000TU Thin and Light Laptop (15.6 inch, Natural Silver, 1.69 Kg, With MS Office)

Rs 40990.0

Remove Product Update Product

LED Smart Google TV (P20230423084143)

Mi X Pro 125 cm (50 inch) Ultra HD (4K) LED Smart Google TV with Dolby Vision IQ and 30W Dolby Atmos

Rs 41999.0

Remove Product Update Product

• Stock Items

Product Stocks

localhost:8080/shopping-cart/adminStock.jsp

Shopping Center

Products Category Stock Shipped Orders Update Items Logout

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Search Items

Stock Products

Image	ProductId	Name	Type	Price	Sold Qty	Stock Qty	Actions
	P20230423082243	APPLE iPhone 13 Pro (Grap..	MOBILE	125999.0	2	999	Update Remove
	P20230423083830	HP Intel Core i5 11th Gen..	LAPTOP	40990.0	1	999	Update Remove
	P20230423084143	LED Smart Google TV ..	TV	41999.0	0	1000	Update Remove
	P20230423084144	MOTOROLA G32 Mobile..	MOBILE	11999.0	0	1	Update Remove
	P20230423084145	realme NEO 80 cm (32 inch..	TV	11999.0	2	998	Update Remove

- Shipped Items

The screenshot shows the 'Shipped Items' page of the Ellison Electronics website. The page has a green header with the site name and a search bar. Below the header, there is a table titled 'Shipped Orders' with columns: TransactionId, ProductId, Username, Address, Quantity, Amount, and Status. The table contains one row with the following data: TransactionId: TR10001, ProductId: P20230423082243, Username: guest@gmail.com, Address: K.P Road, Gaya, Bihar - India, Quantity: 1, Amount: Rs. 125999.0, Status: SHIPPED. Below the table, there is a 'Contact' section with the text 'We love our fans!'.

TransactionId	ProductId	Username	Address	Quantity	Amount	Status
TR10001	P20230423082243	guest@gmail.com	K.P Road, Gaya, Bihar - India	1	Rs. 125999.0	SHIPPED

- Recent Orders yet to be shipped

The screenshot shows the 'Recent Orders yet to be shipped' page of the Ellison Electronics website. The page has a green header with the site name and a search bar. Below the header, there is a table titled 'UnShipped Orders' with columns: TransactionId, ProductId, User Email Id, Address, Quantity, Status, and Action. The table contains five rows of data, each with a 'SHIP NOW' button in the Action column.

TransactionId	ProductId	User Email Id	Address	Quantity	Status	Action
T20230501055718	P20230423084157	guest@gmail.com	K.P Road, Gaya, Bihar - India	1	READY_TO_SHIP	SHIP NOW
T20230520083929	P20230423082243	guest@gmail.com	K.P Road, Gaya, Bihar - India	1	READY_TO_SHIP	SHIP NOW
T20230520083929	P20230423083830	guest@gmail.com	K.P Road, Gaya, Bihar - India	1	READY_TO_SHIP	SHIP NOW
T20230520083929	P20230423084145	guest@gmail.com	K.P Road, Gaya, Bihar - India	2	READY_TO_SHIP	SHIP NOW
T20230520083929	P20230423084158	guest@gmail.com	K.P Road, Gaya, Bihar - India	1	READY_TO_SHIP	SHIP NOW

• Add Product to the stock

Add Product

localhost:8080/shopping-cart/addProduct.jsp

Shopping Center

ProductsCategoryStockShippedOrdersUpdate ItemsLogout

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Search ItemsSearch

Product Addition Form

Product Name

Enter Product Name

Product Type

MOBILE

Product Description

Unit Price

Enter Unit Price

Stock Quantity

Enter Stock Quantity

Product Image

Choose FileNo file chosen

Reset

Add Product



Releases

No releases published

Packages

No packages published

Contributors 2

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Languages

Java 96.7% CSS 1.9% HTML 1.4%