

A PROJECT REPORT ON
CHINGO – STOCKS TO INFINITY

UNDER THE GUIDENCE OF Mrs POOJA SHARMA

*Submitted In Partial Fulfilment of the Requirements for the Award Of
the degree of*

BACHELOR OF TECHNOLOGY
(COMPUTER SCIENCE & ENGINEERING)

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SITAPUR ROAD LUCKNOW)**

TCS REMOTE INTERNSHIP 2018

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CHINGO – STOCKS TO INFINITY

1. Introduction

Online Shopping is a form of electronic commerce which allows consumers to directly buy goods and services from a seller over the internet using a web browser. An online shop evokes the physical analogy of buying products and services at a brick-and-mortar retailer or shopping centre.

Currently the largest of the known online retailing corporations are Amazon, Flipkart, Snapdeal and Paytm.

Chingo - Stocks to Infinity is an E-commerce website and it has all the properties and functionalities which makes it, a sophisticated web application. E-commerce will be the biggest contributor in overall Business, in the upcoming future. With a growth in the number of users on Internet, E-commerce industry is bound to boom. This will trigger the need for new web applications to cater the needs of the growing consumer population in the world.

1.1. Objective:

To create an online shopping cart to cater the demands of consumers.

- Enable the customer to buy products online.
- Design responsive webpages which makes website more sophisticated and reduces the loading time.
- Mobile –compatible webpages.
- Available 24x7.

1.2. Need of the Proposed System:

- In conventional online shopping sites the local, small and micro enterprises are not well represented. Thus, there is a need to target these businesses in order to scale the revenue generations and increase employment.

- Due to Internet boom during recent years the need of an E-commerce website has emerged, at which the local vendors and shopkeepers can also sell their products and increase their sales.
- Easy to assist user to find his desired products.

1.3. Services provided:

- Customer Registration
- Customer login-page
- Customer portal
- Admin portal
- Facility to add product
- User management for admin
- Database handling and modification by the admin
- Online Product purchasing
- Wholesome Booking
- Enhanced Business Process
- Feedback form
- Google maps API
- Contact the administration of shopping system
- Responsive Webpages
- Dynamic loading of webpages

2. Software Requirements:

- **Language to be used:** J2EE
- **Build Tool:** Maven
- **Framework:** SPRING MVC
- **ORM Framework:** Hibernate
- **Technologies Used:** JSTL, JPA, JSP

- **Database:** My SQL
- **User Interface Design:** HTML, CSS, BOOTSTRAP, JAVASCRIPT, JQUERY
- **Web Browser:** Mozilla, Google Chrome, Opera
- **Web Server:** APACHE TOMCAT SERVER V9.1

3. Project Modules:

- Administrator module
- User module

3.1. Administrator module:

- Admin Login
- Admin can Add New product brand Details
- Admin can Manage product Brand Details(Edit ,Delete)
- Admin can Add New product Details
- Admin Can Manage product Details(Edit, Delete)
- Admin can Manage cart details(Admin can confirm and Cancel Booking)
- Admin Can Manage Feedback provided
- Admin Can Check All registered users detail
- Admin can Update other page content like: about us details, contact us, blogs posts, social handles etc.
- Admin can update the contact details
- Admin Can Change Password

3.2. User Module:

3.2.1. Registered User Features:

- New User can Register through Registration panel
- Registered User can login with valid email and password

- User can find products brand, models, price etc.
- User can View Cart summary.
- User can check order status.
- User can update their Address.
- User can send Feedback.
- Logout

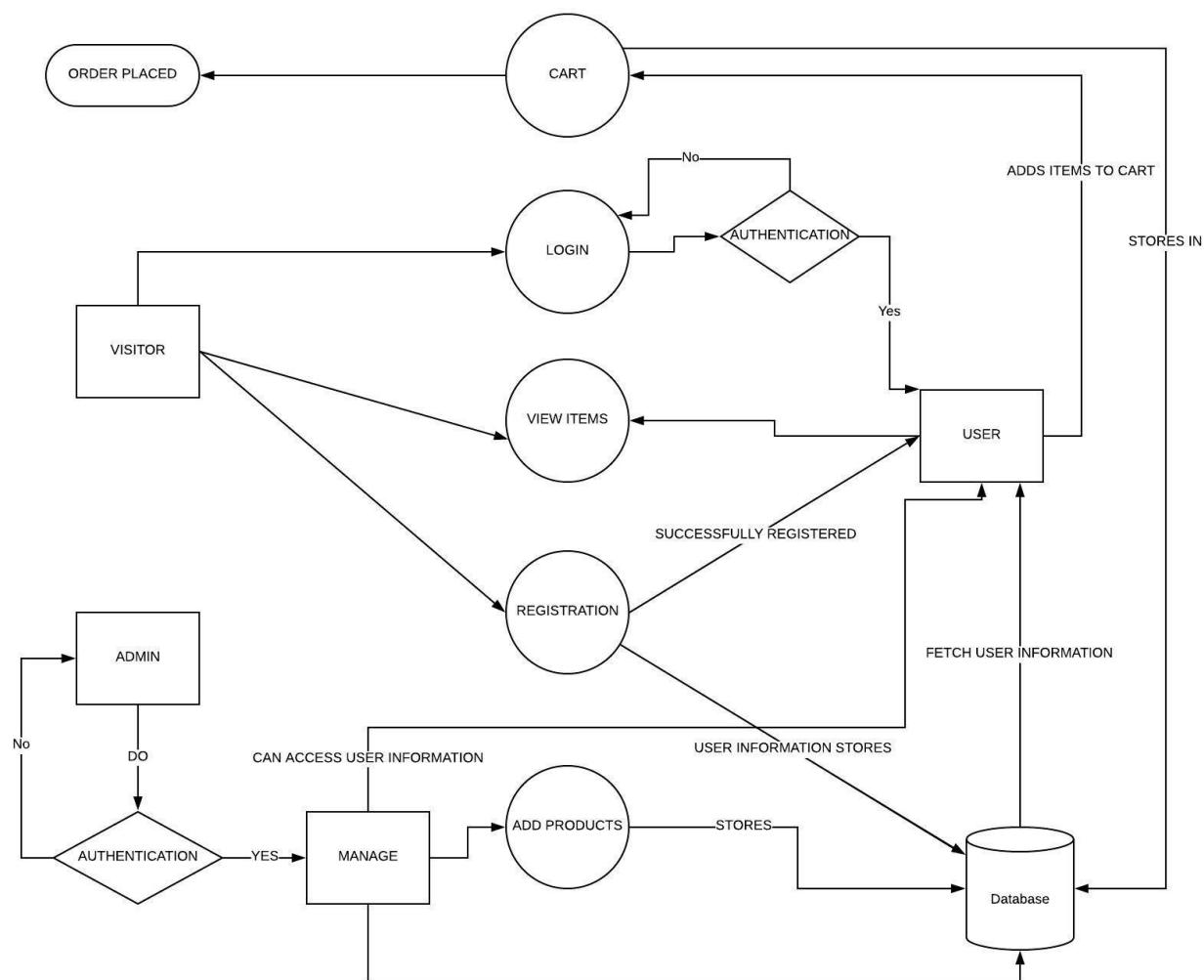
3.2.2. Guest User Features:

- Guest user can view the website and Find product details
- Guest user can also enquire through contact us page.

4. Data Flow Diagram:

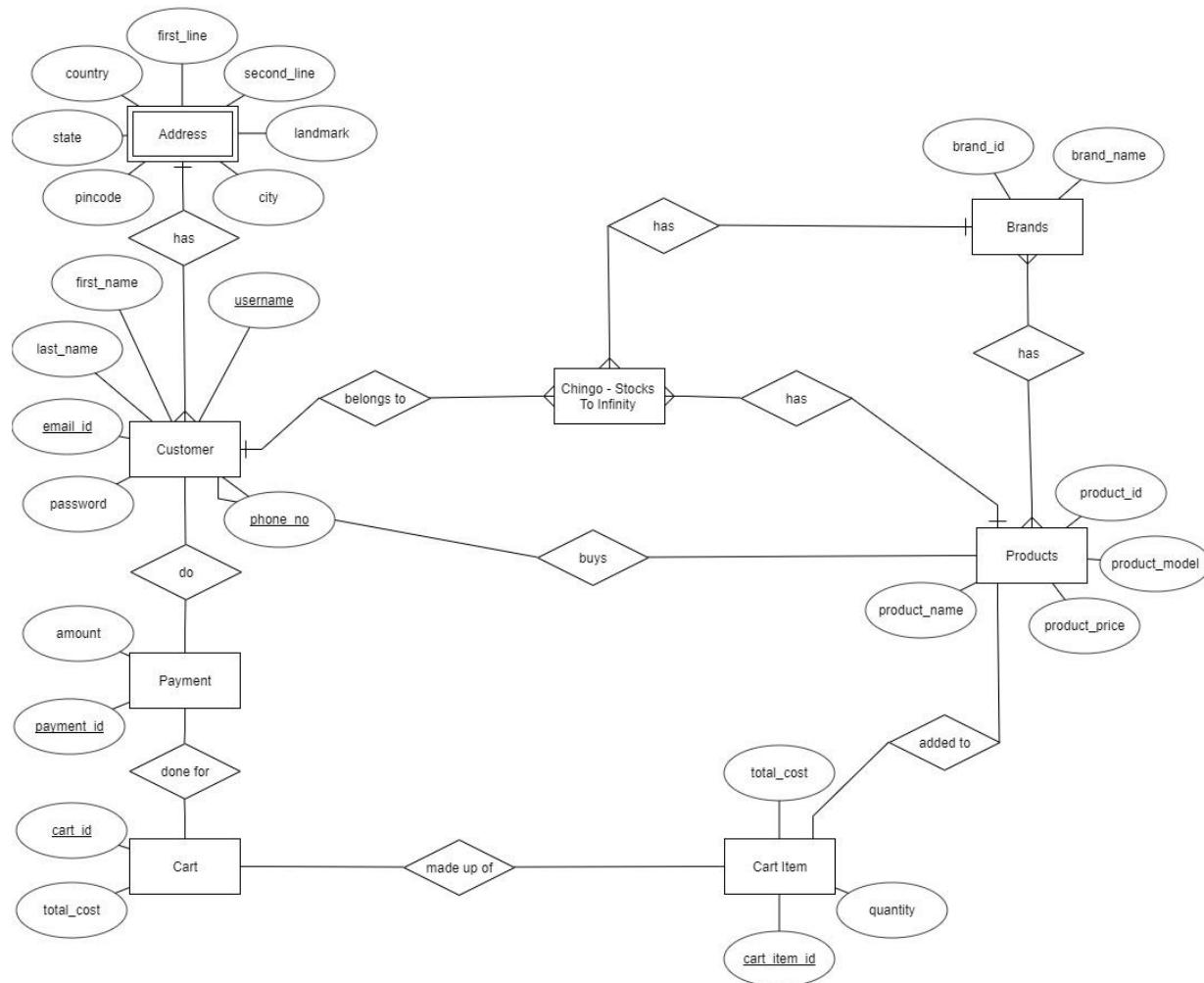
A data flow diagram (DFD) is a graphical representation that depicts the information flow and transforms that are applied as data moves from input to output.

4.1. Data Flow Diagram:



5. ER Diagram:

An entity–relationship model describes interrelated things of interest in a specific domain of knowledge. A basic ER model is composed of entity types and specifies relationships that can exist between instances of those entity types.



6. Test Cases:

6.1. Cases :

Test case No.	Test case Name	Purpose	Precondition	Test Steps	Expected Result
1.	User Registration	Enable customer to register in the system	Customer has valid email, username and password	Click register Button provide required information such as username, email, first name and last name.	Customer is registered into the system
2.	User login(user)	Enable user to login to the system	User has required credentials to login	Input username and password ,then click on the login button	If verified , grant user the permission to access his account
3.	Update user profile	Allow user to update the profile	User login exists in the system	Click on the account and then go to the update profile option	Update user profile
4.	Add to cart	User click on the cart	User login exists in the system	Click on the bag icon in the after login screen	Cart is updated

5.	Admin login(admin)	Enable admin to log in to the system	Admin has required credentials to login	Input Admin name Input Password Verify admin name and password	If verified, grant access to the system. If not, show error
6.	Change password(admin)	Allow admin to change password	Admin login exists in the system	Click forget password in log in page to change	Login credentials will be updated with new password
7.	Brand(Admin)	Allow admin to create or manage brand	Admin login exists in the system	Click on create brand and create a new one if brand place not filled and admin click on submit then alert that field	New brand added to the brand list and admin can remove a brand from the list
8.	Products(Admin)	Allow admin to Post a Product And manage Products	Admin login exists in the system	Click on products and go to post a products, admin can post images, price ,model overview and accessories. All the	Admin vehicles posting and vehicles managing will done.

				Details are required to be filled by admin otherwise product post not completed.	
9.	Manage Products(Admin)	Allow to manage products	Admin login exists in the system	Click on products if admin exists grant the permission	User order forwarded or rejected
10.	Manage Pages(Admin)	Allow admin to manage pages	If admin exists in the system then show pages in the system	Allow admin to manage pages and edit pages, terms and condition, about us.	successfully
14.	Update Contact Info(Admin)	Allow to update the contact info of admin	Admin login exists in the system, admin has a valid email id, contact no.	Click on update contact info	Verify email and contact then update successfully

6.2. Database Configuration:

- Open SQLYog
- Create database myusers
- Import myusers.sql

6.3. Registered User:

- Open your browser put inside browser
http://localhost:8080/My_project/
- Login details for user : ultimateachint@gmail.com/123456

7. Features:

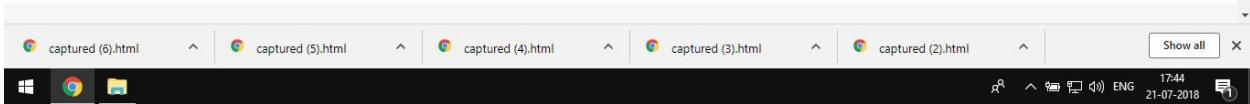
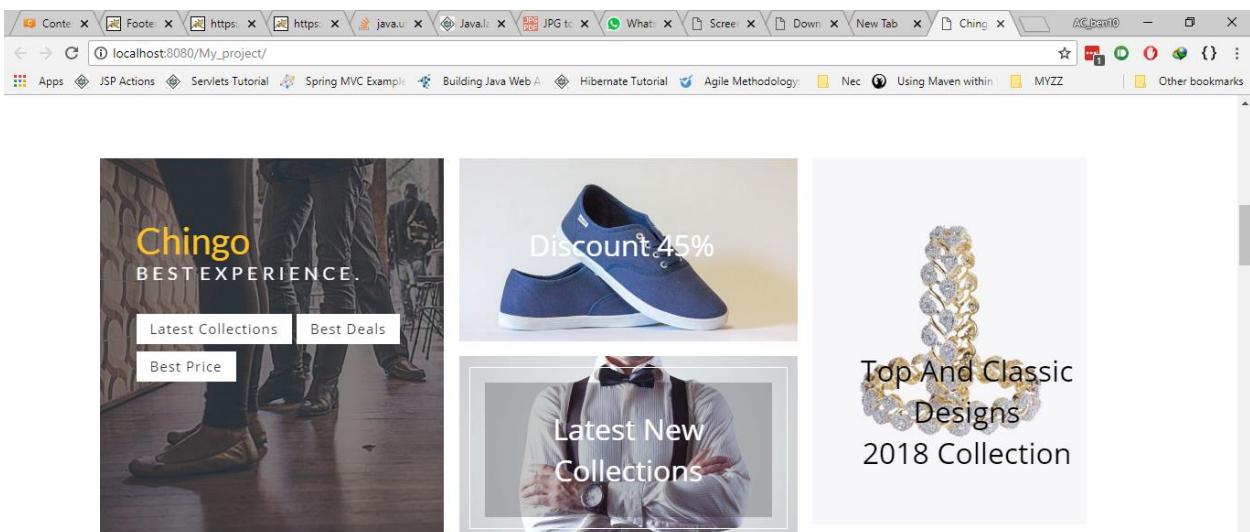
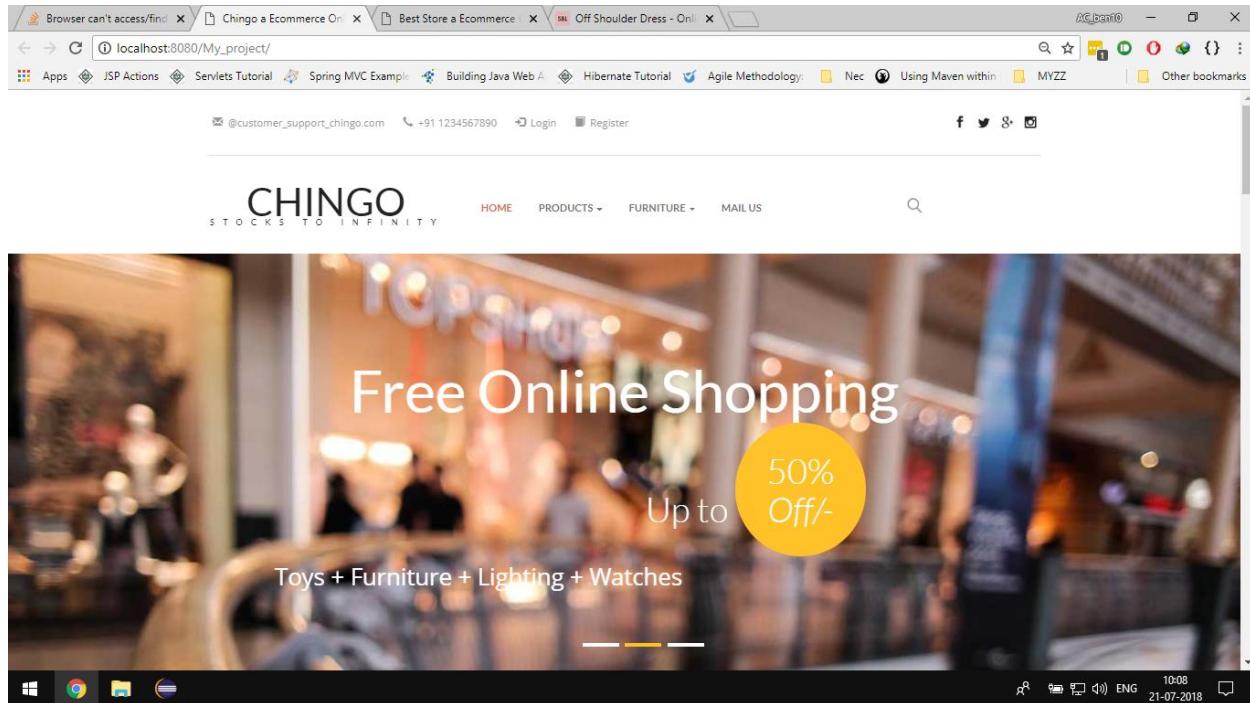
- Home Page.
- Login Panel.
- Registration Panel.
- View Products.
- Add To Cart.
- Buy Products.
- Add Address.
- Modify User Information.
- Reliable.
- Secure.
- Fast.
- Consistent.

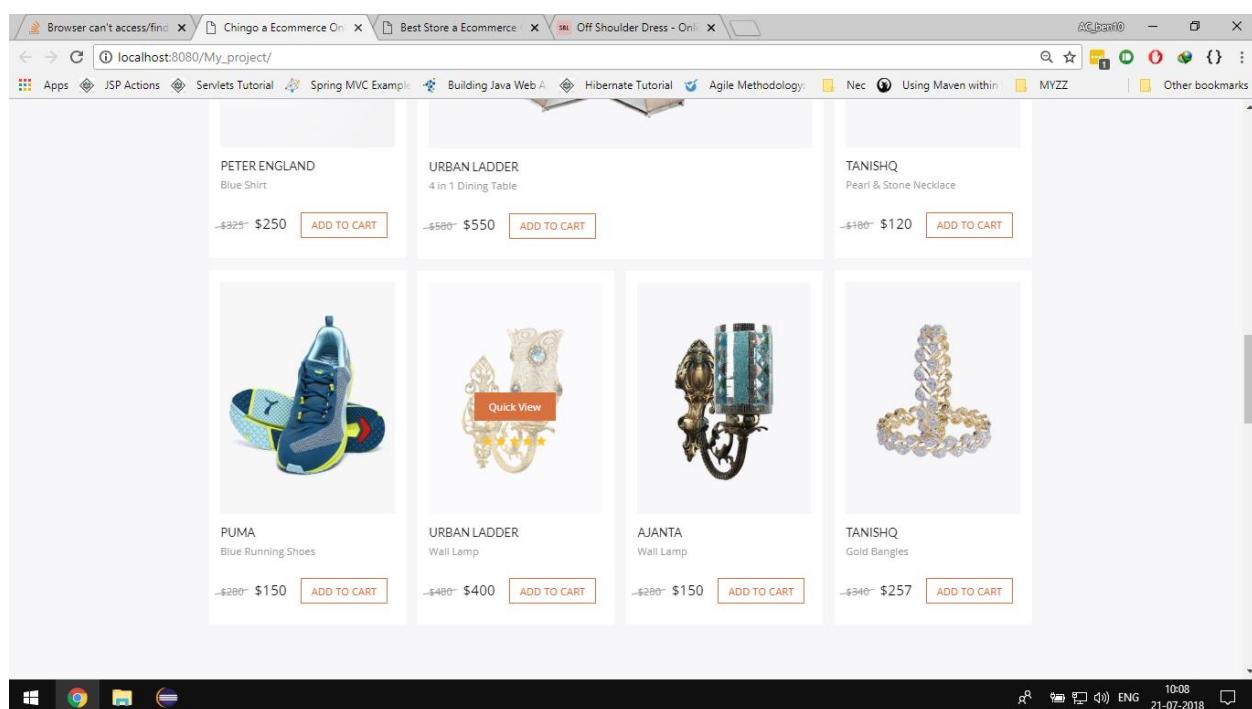
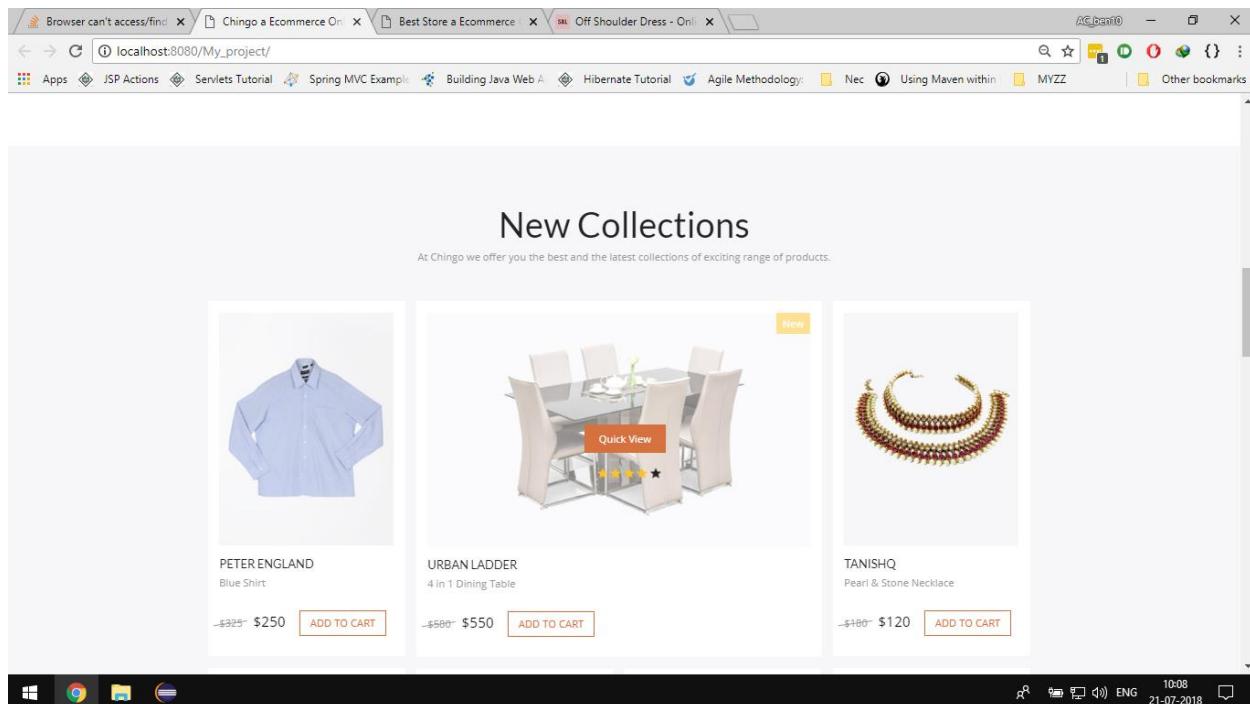
8. Future Enhancements:

- In near future, we can add a search box for searching the desired product.

- We can use indexing and Trie data structure in order to maintain a flexible and accurate searching system.
- We can use neural networks and other unsupervised machine learning algorithms for targeted advertisement related revenue.
- We can implement a payment gateway interface while deploying on an online server.

9. Output Screens:





ACben10

Browser can't access/find Chingo a Ecommerce On Best Store a Ecommerce Off Shoulder Dress - Onli

localhost:8080/My_project/ Apps JSP Actions Servlets Tutorial Spring MVC Example Building Java Web A Hibernate Tutorial Agile Methodology Nec Using Maven within MYZZ Other bookmarks

Latest Sale On Women Clothing

★★★★★

-\$500 \$550

Black Olega Off Shoulder Dress

ADD TO CART

10 Days 23 Hours 59 Minutes 05 Seconds

Special Offer



10:08 21-07-2018

ACben10

Browser can't access/find Chingo a Ecommerce On Best Store a Ecommerce Off Shoulder Dress - Onli

localhost:8080/My_project/ Apps JSP Actions Servlets Tutorial Spring MVC Example Building Java Web A Hibernate Tutorial Agile Methodology Nec Using Maven within MYZZ Other bookmarks



45% Offer For Women & Children's

Newsletter

Join us now to get all news and special offers.

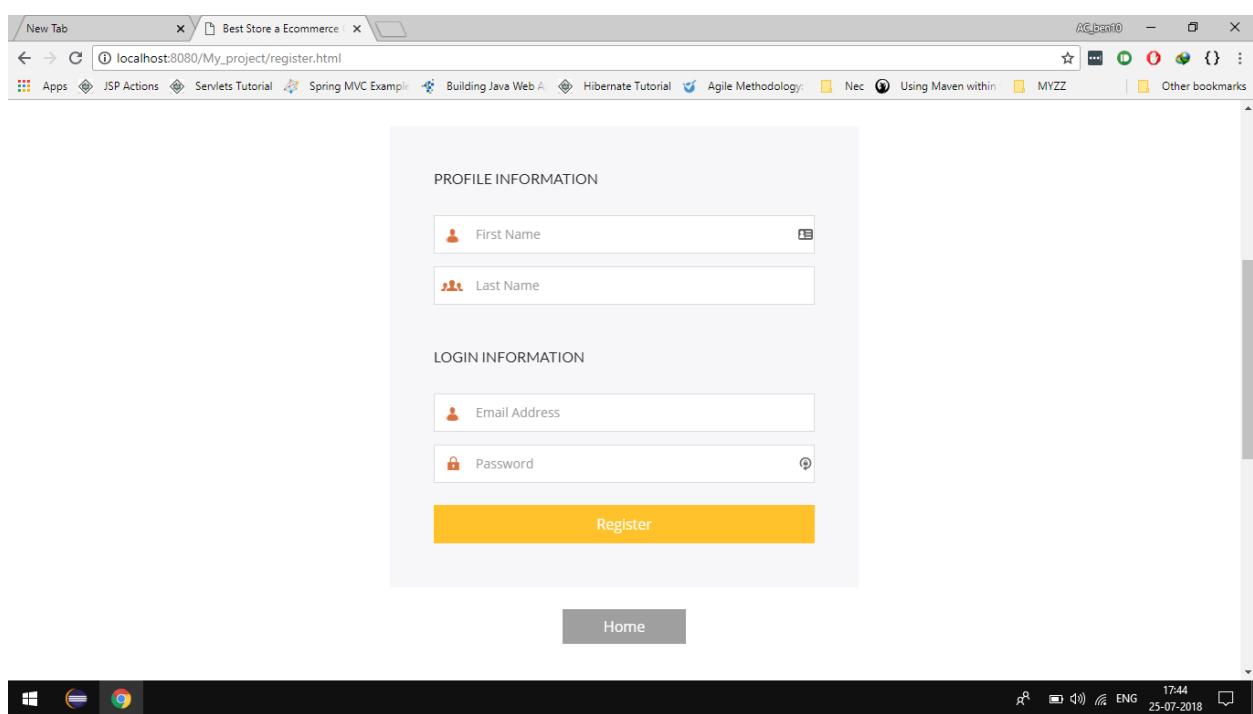
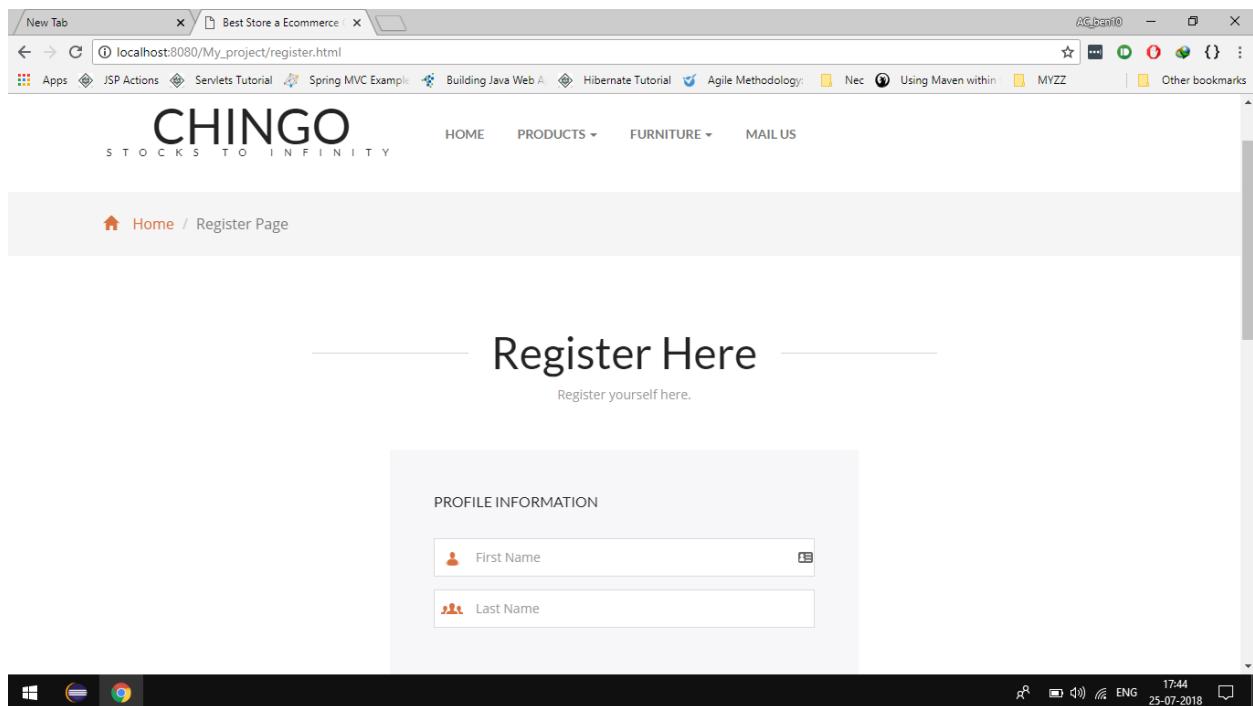
Enter your email address

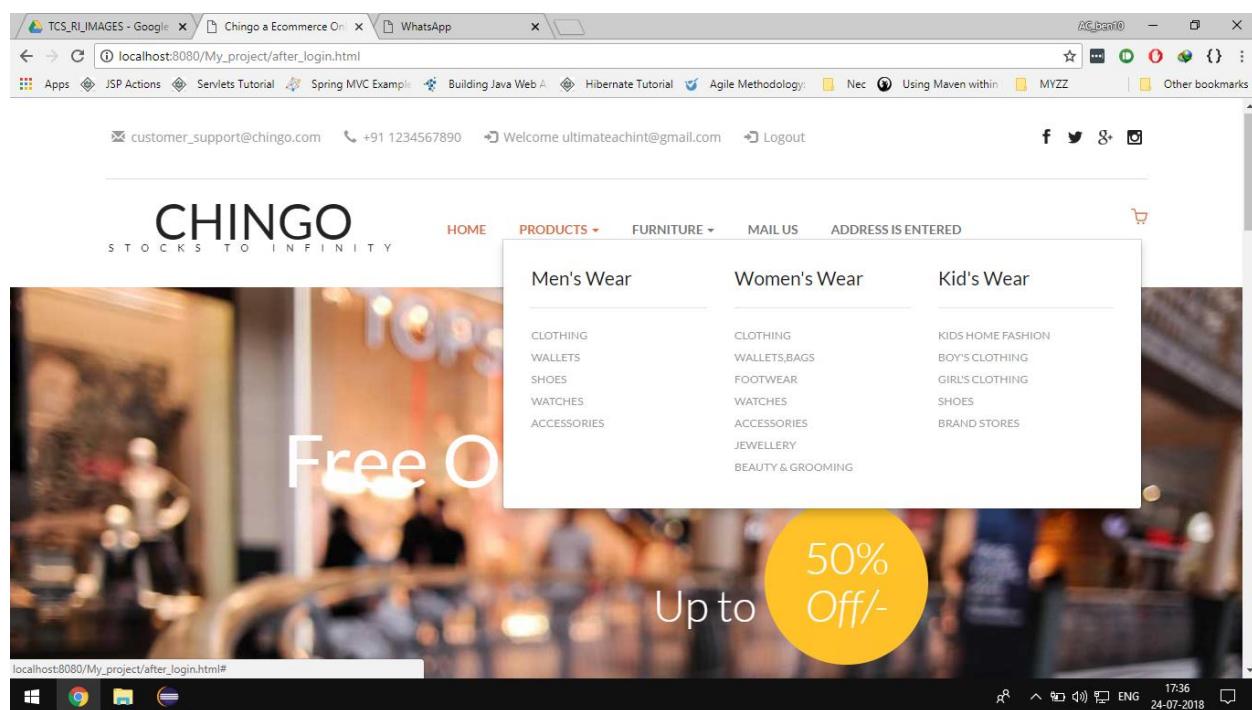
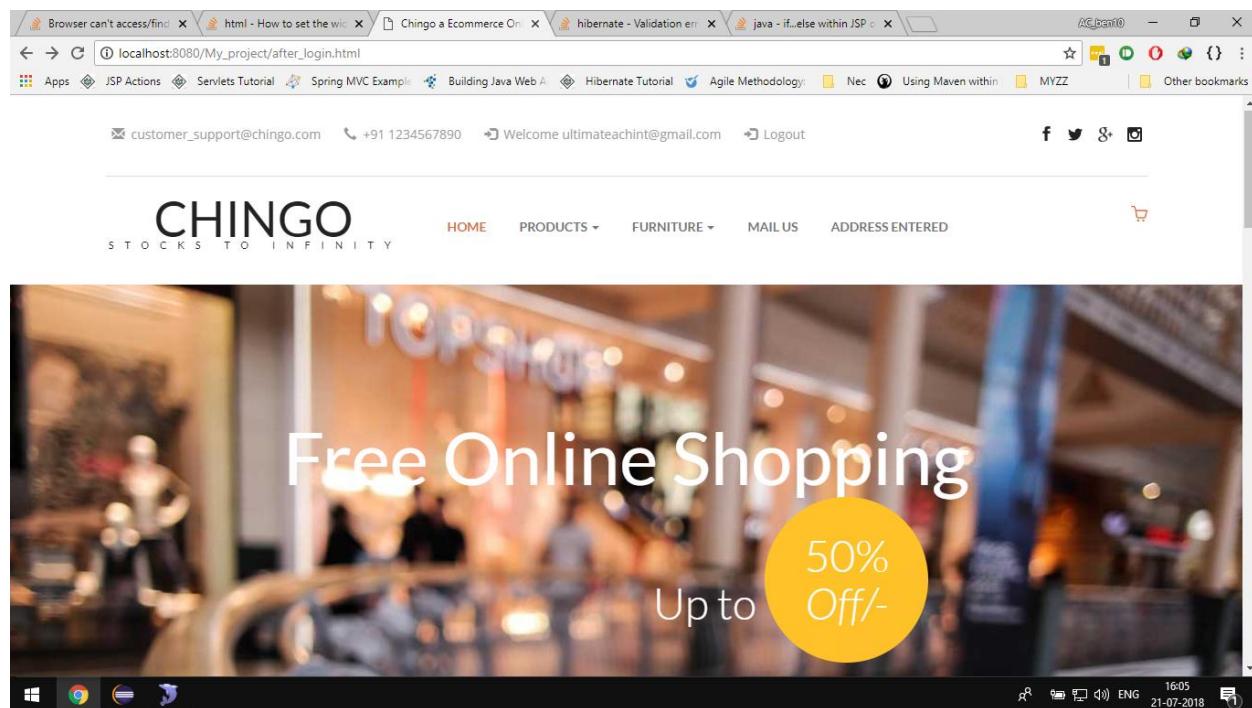
Join Us

10:08 21-07-2018

The screenshot shows a web browser window with multiple tabs open. The active tab displays the Chingo homepage (localhost:8080/My_project/). The page has a dark header with a search bar and a 'Join Us' button. Below the header, there are four main sections: 'About Us', 'Contact Info', 'Flickr Posts', and 'Blog Posts'. The 'About Us' section contains text about the founders and their location in Lucknow. The 'Contact Info' section includes icons for location, email, and phone, with details like 'IET Lucknow Lucknow.', 'customer_support@chingo.com', and '+1234 567 567'. The 'Flickr Posts' section shows a grid of nine thumbnail images from a photo album. The 'Blog Posts' section shows two posts: 'New Art Pieces Arrivals' (Posted On 02/07/2018) and 'New Jewellery Arrivals' (Posted On 02/07/2018). At the bottom, the Chingo logo is centered, followed by a copyright notice: '© 2018 CHINGO. All rights reserved | Design by AC_GG'. The taskbar at the bottom shows various application icons.

The screenshot shows a web browser window displaying a login form (localhost:8080/My_project/login.html). The page title is 'Login Form' and it asks for 'Enter your Login details.' Below the title is a form with two input fields: one for email ('ultimateachint@gmail.com') and one for password ('*****'). There are links for 'Forgot Password?' and 'Login Now'. Below the form, a section titled 'FOR NEW PEOPLE' provides a link to 'Register Here' and a note '(Or) go back to Home >'. The taskbar at the bottom shows various application icons.





customer_support@chingo.com +91 1234567890 Welcome ultimateachint@gmail.com Logout

CHINGO
STOCKS TO INFINITY

HOME PRODUCTS FURNITURE MAIL US ADDRESS IS ENTERED

Home Collection Office Collection Decorations

COOKWARE CARPETS TOYS
SOFAS TABLES WALL CLOCK
DINING TABLES SOFAS LIGHTING
SHOE RACKS SHOE RACKS TOP BRANDS
HOME DECOR SOCKETS ELECTRICAL MACHINES

Up to 50% Off/-

Best Store a Ecommerce

Name: Achint Chauhan
Email: achint.chauhan@beststore.com
Subject: Message Matter

Message Matter

Submit Now

Mail Us

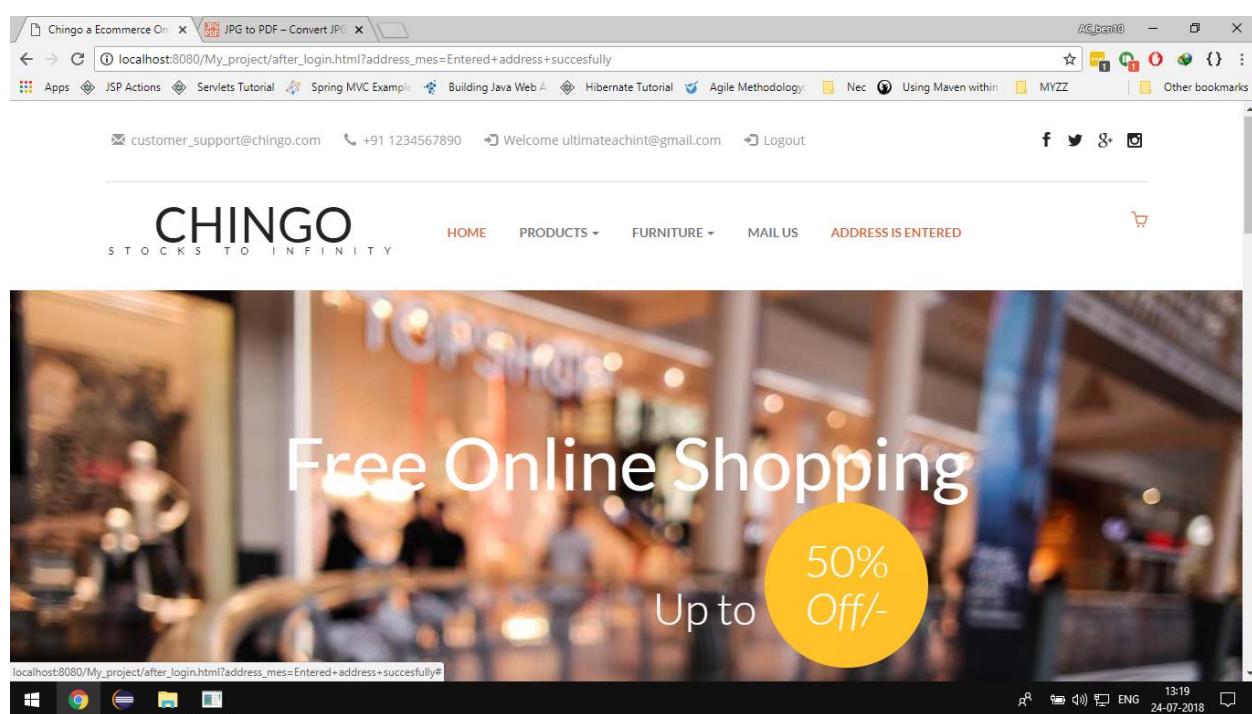
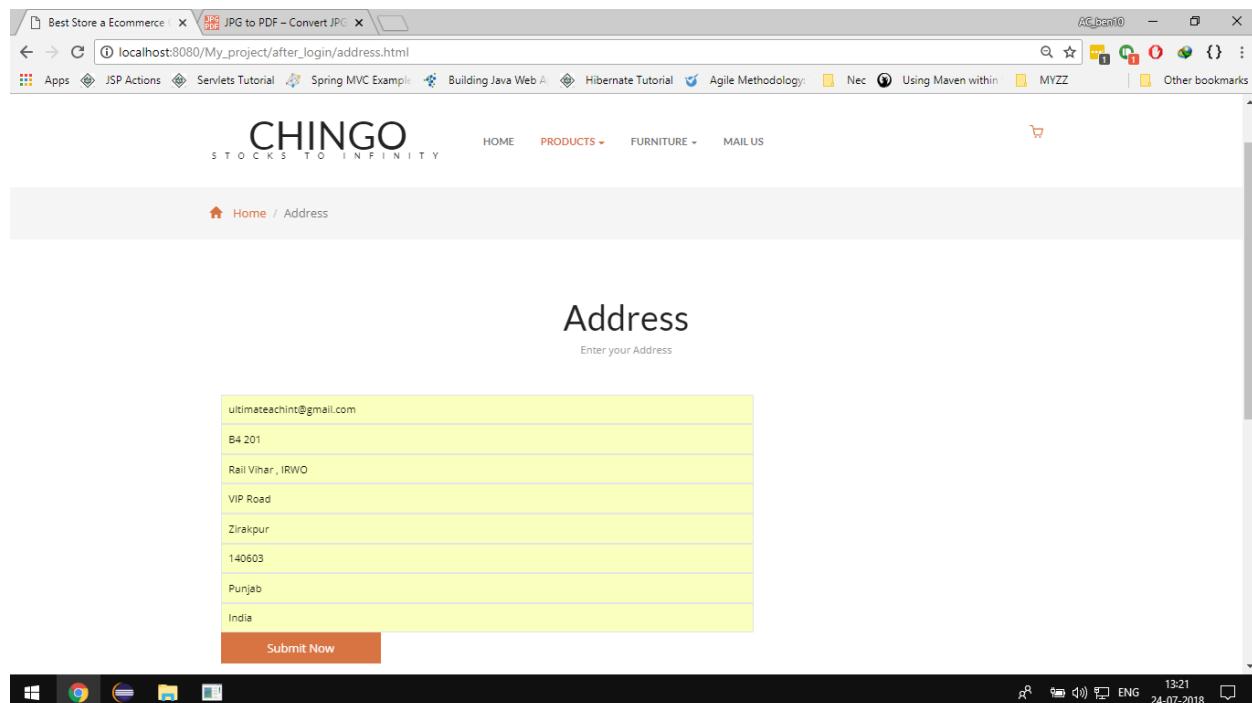
Your feedback is essential for us.

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Achint Chauhan Govind Gupta

Page 20



FILTER BY PRICE

\$20000 - \$80000

CATEGORIES

- Best Selling (15)
- Man (16)
- Accessories (2)
- Coats & Jackets (5)
- Jeans (1)
- New Arrivals (0)
- Suits (1)
- Casual Shirts (0)
- Sales (15)
- Woman (15)
- Accessories (2)
- New Arrivals (0)
- Dresses (1)
- Casual Shirts (0)
- Shorts (4)

2018 NEW COLLECTION

Welcome to the best collection of apparels,accessories and new arrivals.

ROADSTER **PETER ENGLAND** **RAYMONDS**

10:10 21-07-2018

CATEGORIES

- Sales (15)
- Woman (15)
- Accessories (2)
- New Arrivals (0)
- Dresses (1)
- Casual Shirts (0)
- Shorts (4)

NEW PRODUCTS

<p>WALL HANGING LAMP ★★★★★ \$180</p> <p>ADD TO CART</p>	<p>ROADSTER Black Boots -\$5000- 700</p> <p>ADD TO CART</p>	<p>PETER ENGLAND Light Blue Shirt -\$5000- 1100</p> <p>ADD TO CART</p>	<p>RAYMONDS Blue Half Jacket -\$5000- 2000</p> <p>ADD TO CART</p>
<p>BLAZER ★★★★★ \$250</p> <p>ADD TO CART</p>	<p>ROADSTER Black Canvas Shoes</p>	<p>PETER ENGLAND Blue Shirt</p>	<p>RAYMONDS Grey Blazer</p>

10:11 21-07-2018

Screenshot of a web browser showing a product listing page for an ecommerce store.

The URL in the address bar is localhost:8080/My_project/after_login/after_products.html.

The page displays a grid of products:

- Top Row:** A diamond-shaped pendant with a price of \$259 and an "ADD TO CART" button.
- Second Row:** Three items: a pair of blue jeans labeled "SUMMER COLLECTION" with a 55% flat discount, a pair of beige boots by REDTAPE (Beige Boots, Price: 1500), and a brown blazer by RAYMONDS (Brown Blazer, Price: 2500).
- Third Row:** A pair of blue jeans by LEVIS (Denim Jeans, Price: 3000) with an "ADD TO CART" button.

A navigation bar at the bottom shows page numbers 1 through 5, with page 1 highlighted.



Screenshot of a web browser showing a checkout page for an ecommerce store.

The URL in the address bar is localhost:8080/My_project/after_login/after_products/checkout.html.

The page header includes the store logo "Best Store SHOP ANYWHERE", a search bar, and a cart summary showing "1200 (2 items) Empty Cart".

The breadcrumb navigation shows "Home / Checkout Page".

The main content area displays the shopping cart with the following items:

SL No.	Product	Quantity	Product Name	Price	Remove
1		<input type="button" value="-"/> <input type="button" value="1"/> <input type="button" value="+"/>	Canvas Shoes	300	<input type="button" value="Remove"/>
2		<input type="button" value="-"/> <input type="button" value="2"/> <input type="button" value="+"/>	Boots	450	<input type="button" value="Remove"/>



Screenshot of a web browser showing a shopping cart page for an e-commerce application.

The URL in the address bar is localhost:8080/My_project/after_login/after_products/checkout.html.

The page displays a shopping cart table:

SL No.	Product	Quantity	Product Name	Price	Remove
1		<input type="button" value="-"/> <input type="button" value="1"/> <input type="button" value="+"/>	Canvas Shoes	300	<input type="button" value="Remove"/>
2		<input type="button" value="-"/> <input type="button" value="2"/> <input type="button" value="+"/>	Boots	450	<input type="button" value="Remove"/>

Below the table are two buttons:

- A yellow button labeled "CONTINUE TO PAYMENT".
- A black button labeled "< Continue Shopping".

At the bottom, there is a summary table:

Product 1	300
Product 2	450
Total	1200

The browser status bar shows the URL localhost:8080/My_project/after_login/after_products/checkout.html, the date 21-07-2018, and the time 12:23.

Screenshot of a web browser showing a shopping cart page for an e-commerce application.

The URL in the address bar is localhost:8080/My_project/after_login/after_products/checkout.html.

The page displays a shopping cart table:

SL No.	Product	Quantity	Product Name	Price	Remove
1		<input type="button" value="-"/> <input type="button" value="1"/> <input type="button" value="+"/>	Canvas Shoes	300	<input type="button" value="Remove"/>
2		<input type="button" value="-"/> <input type="button" value="2"/> <input type="button" value="+"/>	Boots	450	<input type="button" value="Remove"/>

Below the table are two buttons:

- A yellow button labeled "CONTINUE TO PAYMENT".
- A black button labeled "< Continue Shopping".

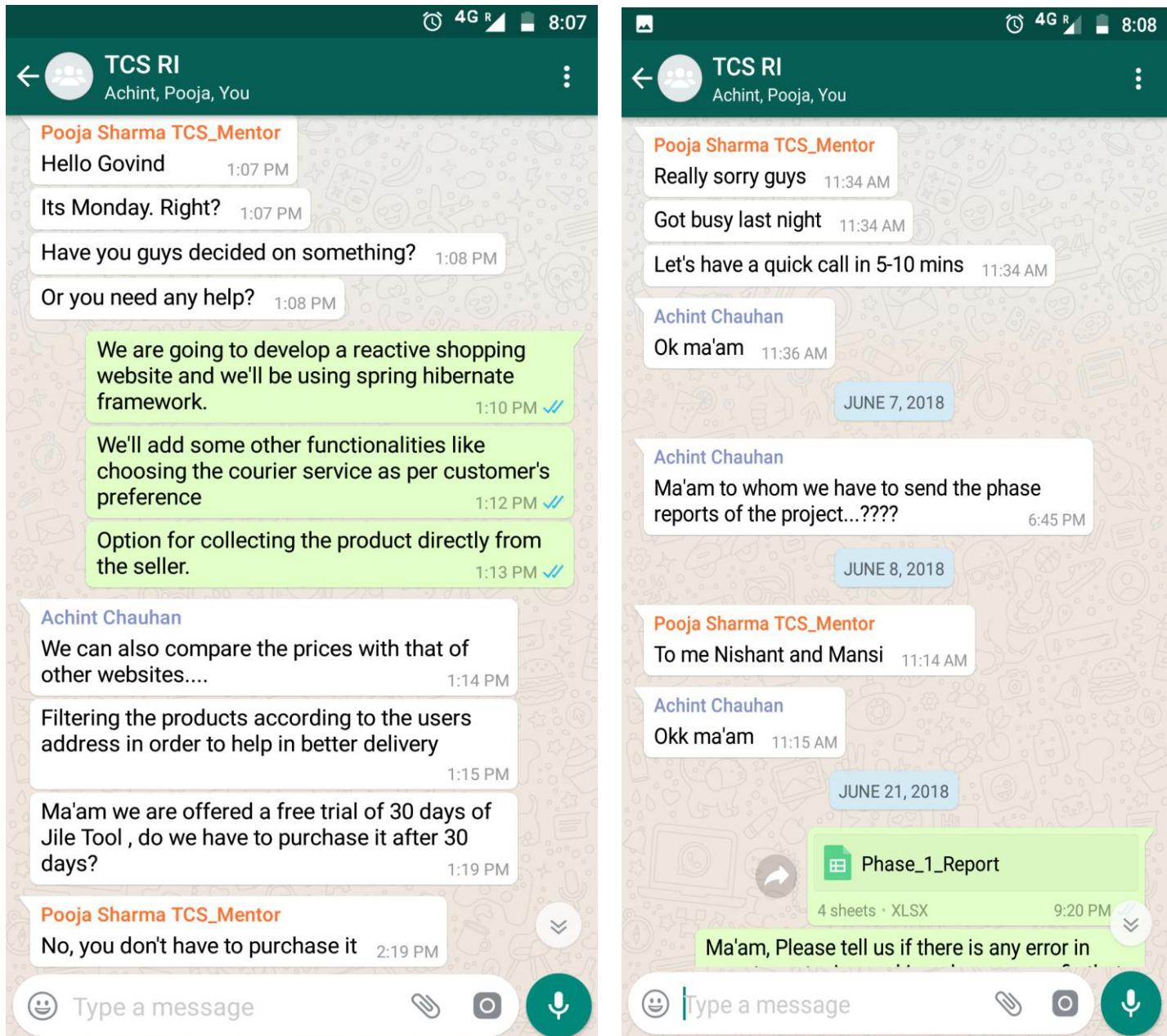
At the bottom, there is a summary table:

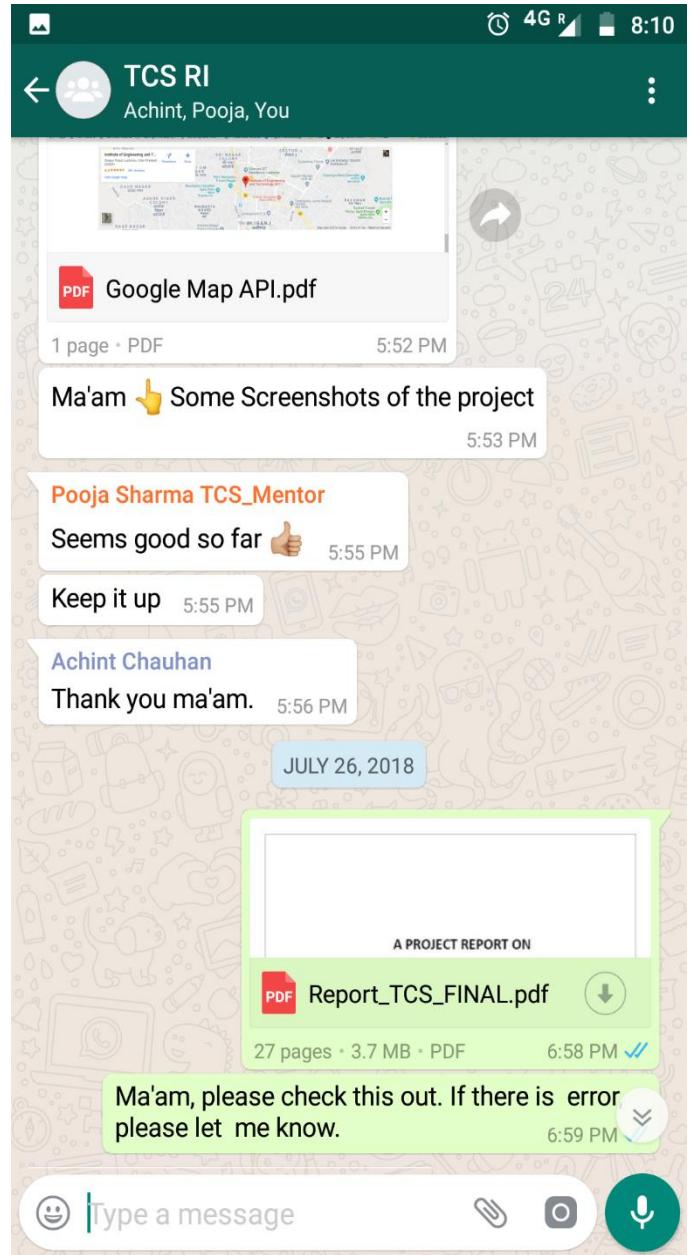
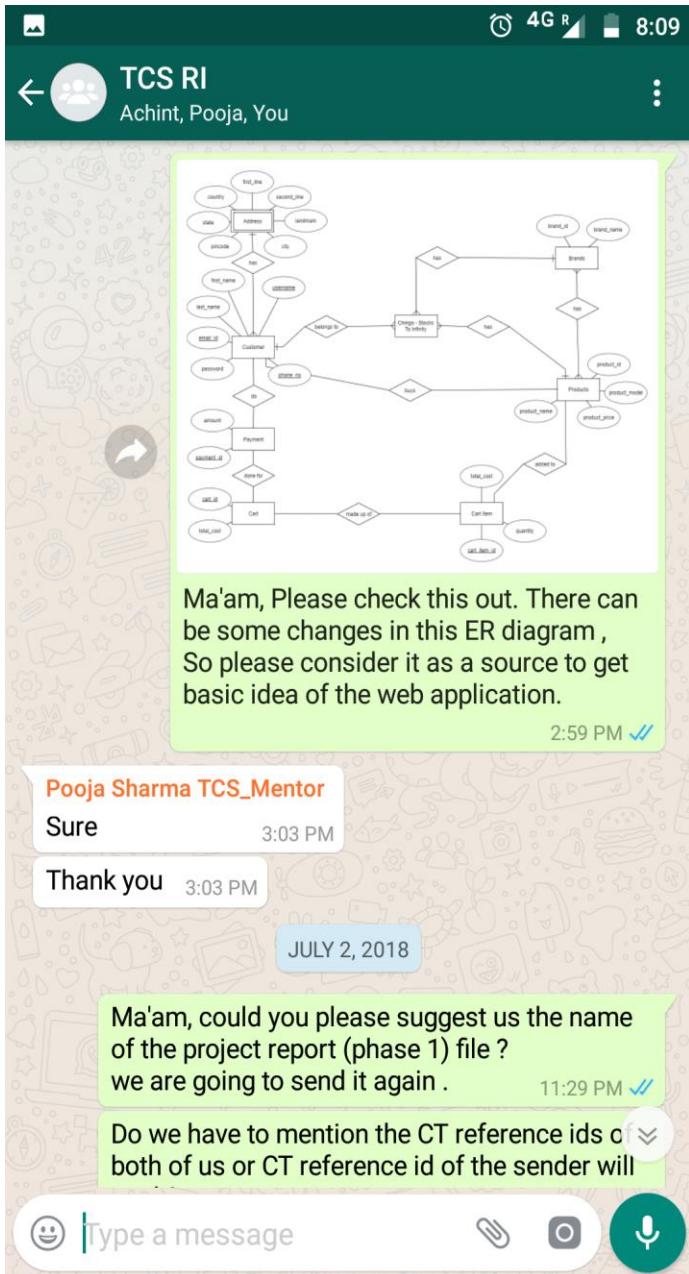
Product 1	300
Product 2	450
Total	1200

The browser status bar shows the URL localhost:8080/My_project/after_login/after_products/checkout.html, the date 21-07-2018, and the time 12:16.

10. DEMONSTRATION:

We used Whatsapp as a medium for our day to day communication with our mentor. We asked many queries related to this project on Whatsapp.





11. CONCLUSION:

Online shopping in its early stage was a simple medium for shopping with fewer options. The users can just place an order and pay cash on delivery. But, in last few years this field has been renovated to a high extent and hence fascinated many customers. Today, the online shopping has become a trend in India and the reason behind the adoption of this technique lies in the attractive online websites, user friendly interface, bulky online stores with new fashion, easy payment methods (i.e. secure pay online via gateways like UPI or cash-on-delivery), no bound on quantity & quality, one can choose the items based on size, colour, price, etc.

India has shown a commendable increase in the ecommerce industry in the last couple of years, thereby hitting the market with a boom. Further, the addition of discounts, coupons, offers, referral systems, 30days return guarantee, 1-7 days delivery time, etc. to the online shopping and the E-Market have added new flavours to the industry.

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- <https://www.javatpoint.com/hibernate-tutorial>
- <https://getbootstrap.com/>
- <https://www.w3schools.com/>
- <https://stackoverflow.com/>
- <https://www.tutorialspoint.com/jpa/>

