

E-COMMERCE APPLICATION ON IBM CLOUD
FOUNDRY
PHASE 5- PROJECT DOCUMENTATION AND
SUBMISSION

Team Members:

Lathika D (211521104078) [Team Leader]

Jaya Varsha R(211521104059)

Jebil R Sharon(211521104061)

Pavithra N(211521104104)

Jayapriya T(211521104058)

DESIGN THINKING

Problem Definition:

The project is to build an artisanal E-commerce platform using IBM Cloud Foundry. The goal is to connect skilled artisans with a global audience, showcasing their handmade products and providing features like secure shopping carts, payment gateways, and an intuitive checkout process. This involves designing the e-commerce platform, implementing necessary features, and ensuring a seamless user experience.

Project Objectives:

The objective is to deploy a storefront shopping application that displays a catalog of antique handicraft products where customers can make purchases and review comments. Explore the web and mobile interfaces, which rely on separate Backend for Frontend(BFF) services to interact with the back-end data. Use DevOps tools to build and deploy the application and to implement resiliency techniques, such as high availability, failover and disaster recovery.



Fig. 1 IBM Cloud

Project Scope:

- The proposed eCommerce website will provide artists with an easy-to-use platform to sell their artwork and provide buyers with a convenient way to discover and purchase artistic products
- Online platforms have given artists an opportunity to showcase and sell their artwork to a global audience, creating new revenue streams and expanding their reach
- The site allows artisans to create an account and upload their products to the platform
- This site also allows customers to browse and purchase products from different artisans
- In the future, we wish to add some intricate features like an AI chatbot in order to enhance the user's experience and multiple events to gain coupons and offers etc

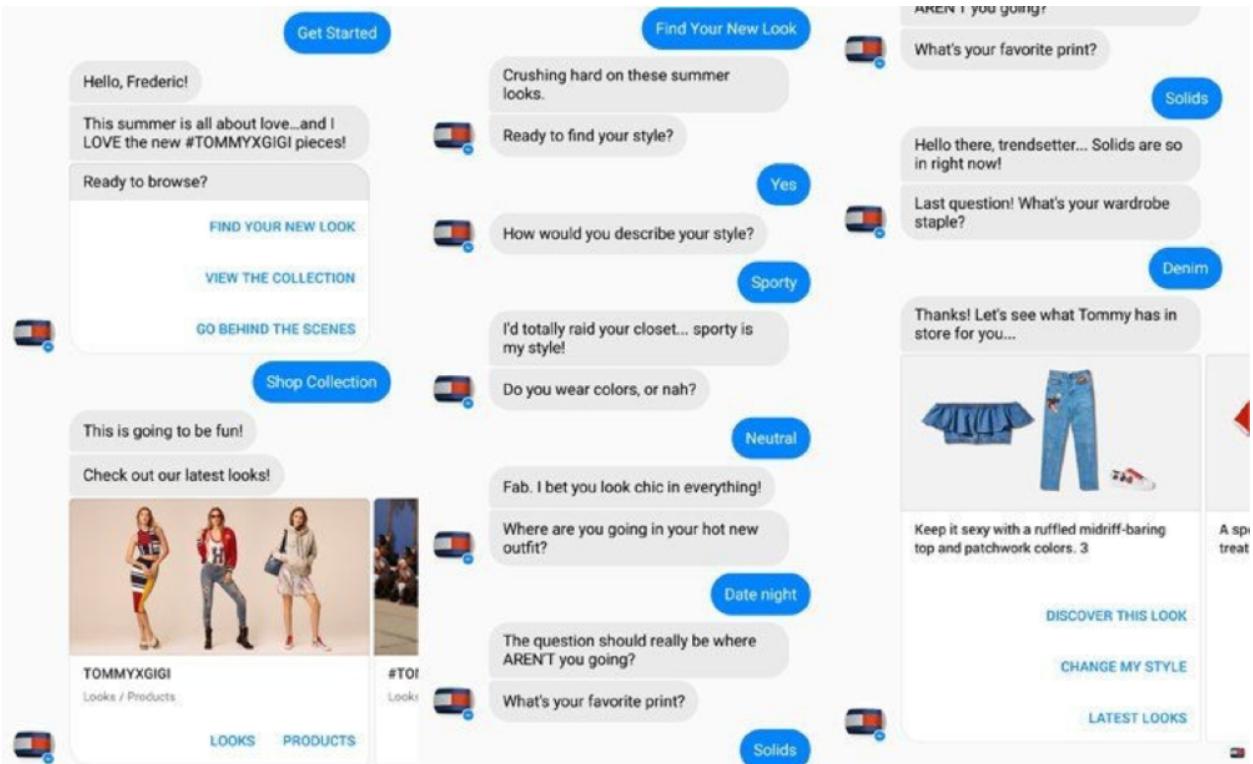


Fig.2 AI Shopping ChatBot

User Experience:



Fig. 3 User Experience

The platform satisfies all the basic aspects of user experience such as:

- Useful: The content of the website is original and fulfills the need of the user
- Usable: The site is provided with components that are easily usable
- Desirable: Images, brands, identity and other design elements are used to make the site desirable to use
- Findable: The contents of the site is easily navigable and locatable
- Accessible: The content of the website is also easily accessible by people with disabilities
- Credible: The site is trustworthy and believable by the users
- Valuable: The site deliver value to both the sellers and buyers

Design Thinking:

- The platform is provided with options that would enable artisans to sell their handmade products to buyers all around the world and for customers to buy unique, creative products
- Settings such as Location and Currency can be configured to user's needs

Homepage

- At the top of the Homepage, Search bar and various Categories options would be displayed for easier navigation to the user's desired products



Fig. 4 Search Bar

Festive Sales Hub	Jewellery & Accessories	Clothing & Shoes	Home & Living	Wedding & Party	Toys & Entertainment	Art & Collectibles
All Jewellery & Accessories →						
Accessories >	Hats & Caps Beanies & Winter Hats Sun Hats	Belts & Braces Keychains & Lanyards				
Bags & Purses >	Hair Accessories Headbands	Cosmetic & Toiletry Bags Gloves & Mittens				
Necklaces >	Fascinators & Mini Hats Hairslides & Clips	Umbrellas & Rain Accessories Gloves & Mittens				
Rings >	Ties & Elastics Wreaths & Tiaras	Wallets & Money Clips Watches				
Earrings >	Gajras Maang Tikka	Brooches Suit & Tie Accessories				
Bracelets >	Sunglasses & Eyewear Scarves & Wraps	Cuff Links All Accessories →				
Body Jewellery >						
All Jewellery →						

Fig. 5 Categories

- The homepage will display variety of unique products classified as:
 - Deals of the day - This promotes the products with best deals for 24 hours and these are the major offers provided by the platform.

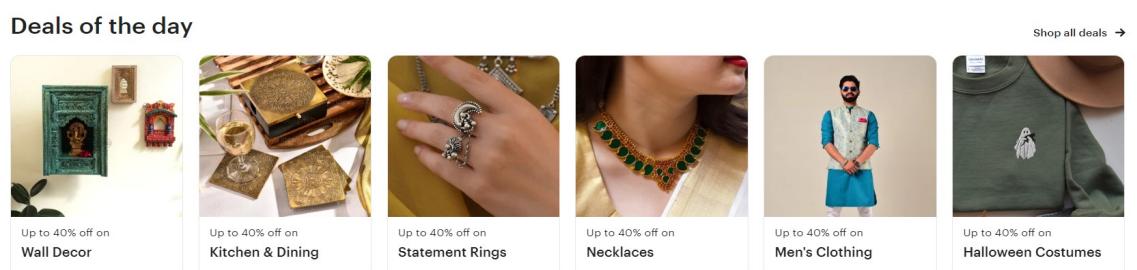


Fig. 6 Deals of Day

- Editor Picks - This section consists of bunch of well known handmade products made by high quality materials

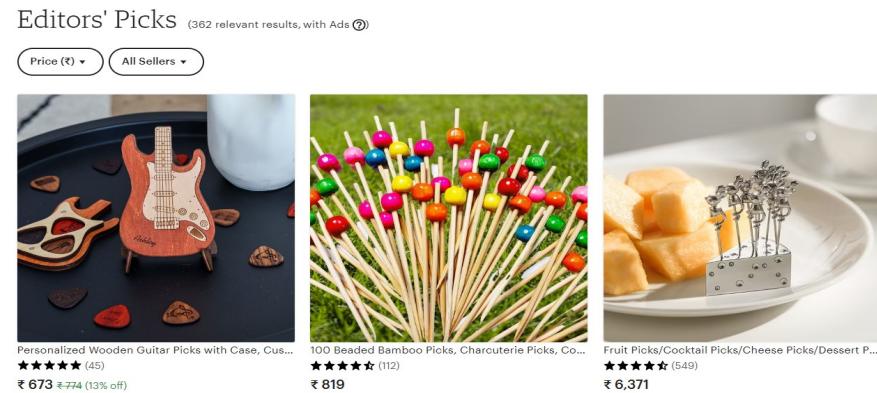


Fig. 7 Editor Picks

- Recommended for you (Based on previously seen) - Based upon user's previous purchase history, certain similar products will be displayed in this section

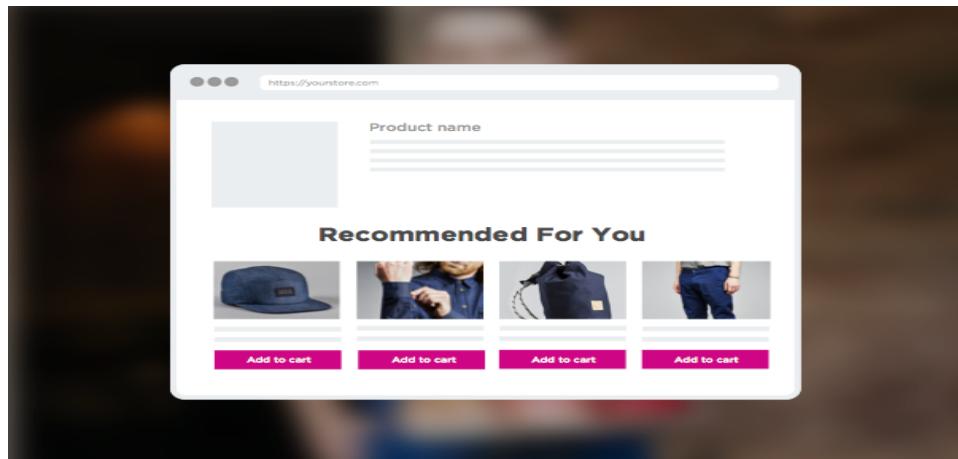


Fig. 8 Recommendations

- The home page also contains a FAQ section that allows the users to recognize how the platform is unique and preferable than other e-commerce platforms

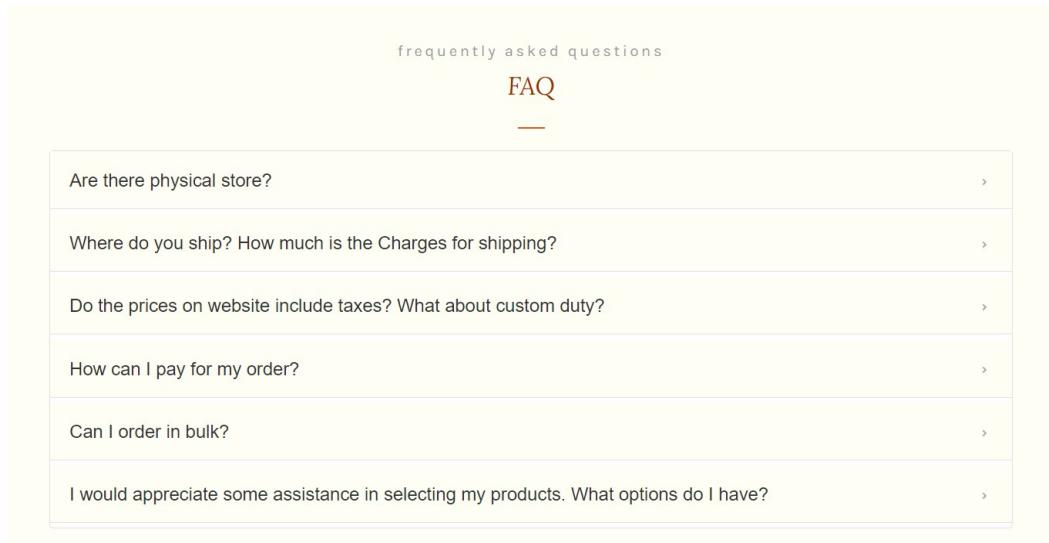


Fig. 9 FAQ page

- Footer will consist of:
 - About us section, Careers, Blogs and Social Media accounts etc are also included to make the users aware of the work and services provided
 - Customer service/help desk link is provided to help the users to resolve their issues.
 - Various aspects(names of our webpages) of our website to make the navigation better such as Sell With Us etc
- Sell With Us is a separate web page to allow artisans to publish their products



Fig. 10 Footer

Product Details

- Once a product is clicked, the user is redirected to a different webpage that contains the following information:
 - Product picture can be clicked and zoom in and out features will also be provided
 - The description consist of:
 - Product name and its price
 - Various available sizes and colors of the product
 - Description of the seller along with their profile
 - Add to cart option enables the user to add that product to cart and proceed for payment
 - Estimated delivery time of that product would be displayed if user's address is provided

- Return Policy would also be mentioned
- Rating and review of the product is displayed below

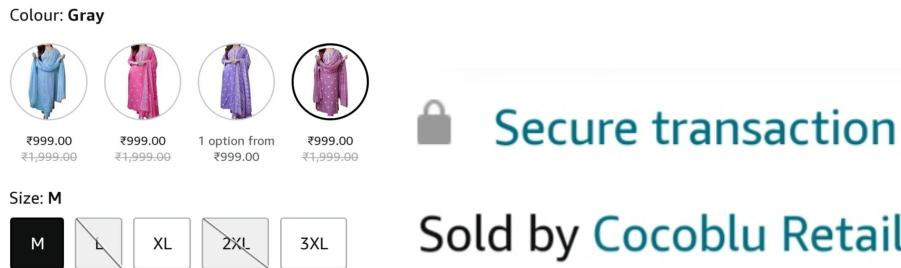


Fig. 11 Choices

Fig. 12 Seller Name

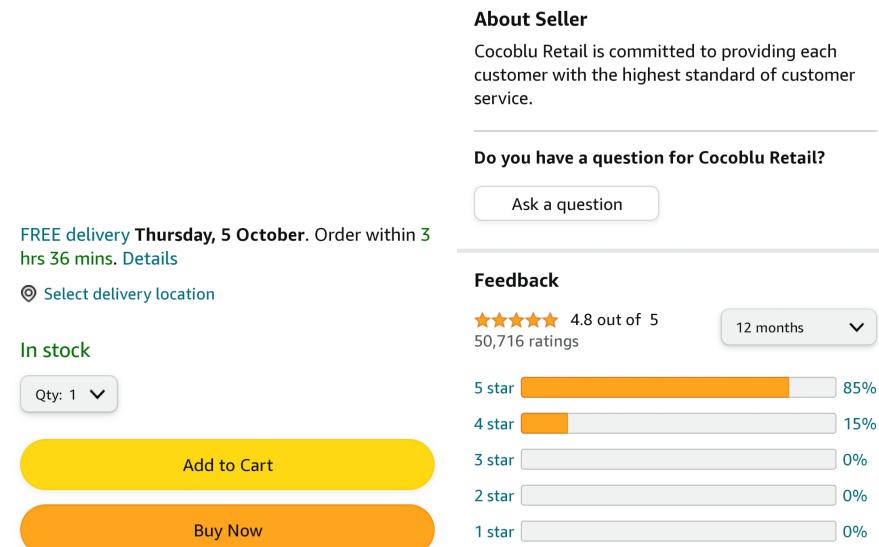


Fig. 13 Add to cart option

Fig. 14 Rating and Reviews

Users Account

- The users have their own accounts to keep track of their purchases and the products they upload to the marketplace

The image shows a user interface for logging into a website. At the top, there are 'LOGIN' and 'SIGN UP' buttons. Below them is a field labeled 'EMAIL*' with a placeholder 'Email'. Underneath is a 'PASSWORD *' field with a placeholder 'Password' and a 'Show' link. To the left of the password field is a 'Forgot your password?' link with a 'Click here' button. To the right is a green 'Log In' button. Below this section are two social media sign-in buttons: a blue one for 'Sign in with Facebook' featuring the Facebook logo, and a red one for 'Sign in with Google+' featuring the Google+ logo.

Fig. 15 Login Methods



Fig. 16 Sign in

- User profiles on a website allows users to customize their details
- Profile will be created by the user with general information such as:
 - Contact details
- Other components in-built in the profile will be:
 - Order tracking
 - Payment method
 - Purchase history
 - Other account settings(such as log off, remove account)
- By logging out of the profile, the data and information of the user cannot be accessed again until correct credentials are given for log in
- By removing the account, the user profile is removed from the database

Cart and Payment

CART:

- The cart section is used to stock the products which the customers are willing to purchase
- The cart contains:
 - Product's cost
 - Quantity of product purchased
 - Remove option
- In the footer section of the cart:
 - The total price of the products purchased
 - The number of items purchased is displayed
 - Will also contain the TAX provided for the individual products
(total price may vary)
- Once the products are chosen, the payment option is to be chosen.

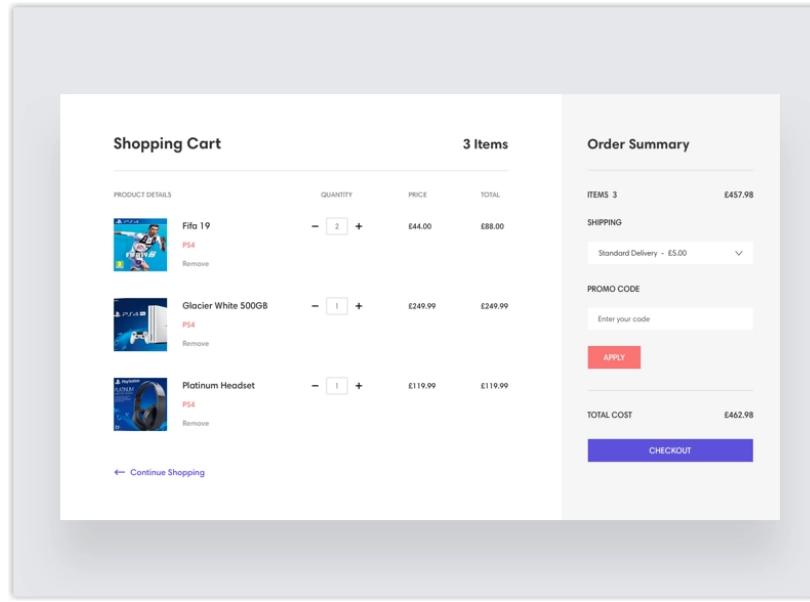


Fig. 17 Shopping cart

PAYMENT:

- The details for delivery such as name of the customer, residential address, email-id, contact number is to be provided.
- The payment section contains the type of payment to be chosen i.e cash on delivery/card/google pay etc.,
- If the payment is chosen to be card type , then the card number, branch name, transaction id is to be mentioned.
- If the payment is chosen to be Google pay type , then the available QR code is scanned and the payment process is completed

Payment Method

XXXX XXXX XXXX XXXX MM YYYY CVV

VISA MasterCard DISCOVER AMEX Diners Club JCB

Billing information United States

Company name*

First and last name*

Address line 1

Address line 2

City

Postal code Phone number

Email address

* required

Next

Fig. 18 Payment Methods

References

1. <https://okhai.org/>
2. <https://www.craftsvilla.com/>
3. <https://gocoop.com/>
4. <https://www.etsy.com/in-en/>
5. <https://www.amazon.in/>
6. <https://www.flipkart.com/>
7. <https://www.craftmaestros.com/>
8. <https://exclusivelane.com/>
9. <https://theindiacrafthouse.com/>
10. <https://www.ecraftindia.com/collections/handicraft-items>

DEVELOPMENT PHASE

PHASE 1 - We started to do the designing of the entire webpage and
We divided the work for the front end (we used Figma for
designing)

PHASE 2 - We started referring to various images, videos and
learned along the way to build a full responsive front end.
We joined all our web pages together.

PHASE 3 - We completed our front end and fixed any issues such as
display issues. We used bootstrap to make the site
viewable for any sort of device platforms

PHASE 4 - We started coding our backend process and databases.
We connected our forms to databases for storing users
data.

PHASE 5 - We finished our backend process, we came together as a
team and linked all the webpages and checked the
functionalities.

Homepage

FANTASIA

Home About Contact   



**Great Deals
On All Products**

75% offer on your first purchase

Shop Now

Deals of the Day



\$240 \$180
An Arizonian Vase



\$250 \$200
A Butterfly Necklace



\$200 \$100
A Crimson Ring



Recommended for you



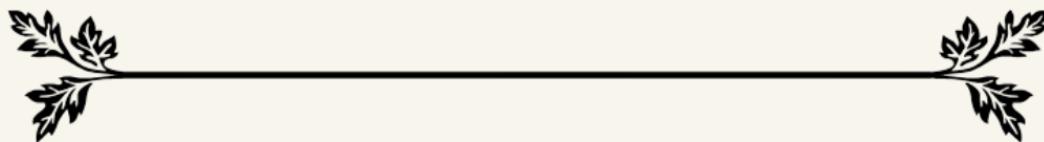
Rings



Necklace



Bracelet



Editor's Picks

New Products Everyday



FAQ

Why choose Fantasia for shopping?

A site that over 100 million new unique products are sold by experienced crafters.

What type of products can I find?

Products such as rings, bracelets, necklaces and even bags are found here

Can I upload any products I make?

Yes! Absolutely! We support our sellers in anyway possible

[Contact Us](#)

[Wanna more about us?](#)

[Sign Up](#)

[Log In](#)

Social Media



Why do we need a homepage?

- First Impressions: The homepage is the first impression users have of your website. A well-designed homepage with appealing visuals and clear navigation can leave a positive impression, enticing users to explore further.
- Navigation Hub: The homepage typically serves as a central hub for navigation. It provides links and menus that allow users to access various sections of the website, including product categories, account

settings, customer support, and more. This simplifies the user's journey through the site.

- **Search and Discovery:** A search box on the homepage enables users to quickly find specific products, information, or services they are looking for. This helps users save time and find what they need efficiently.
- **Content Prioritization:** Homepages allow websites to showcase specific content or products prominently. This includes highlighting promotions, bestsellers, new arrivals, featured articles, or personalized recommendations. This can capture the user's attention and drive engagement.
- **Personalization:** Many homepages use algorithms and user data to display personalized content. This includes showing products related to the user's past interactions or preferences. Personalization enhances the user experience by providing content that is more relevant to individual users.

The Homepage consists of:

- Navigation Bar
- Search Box
- Deals of the Day
- Recommended For You
- Editor's Picks
- Frequently Asked Questions (FAQ)

- Footer

1. Introduction

The homepage of an e-commerce website serves as the first point of contact for visitors, making it vital to create an attractive, informative, and user-friendly design. The key components of this homepage include a Navigation Bar, Search Box, Deals of the Day, Recommended For You, Editor's Picks, Frequently Asked Questions (FAQ), and a Footer.

2. Navigation Bar

The navigation bar is a critical element for easy user access to different sections of the website. It typically includes links to product categories, account information, a shopping cart, and additional options. The design is clean, with clear, easy-to-read text and intuitive icons for each category.

3. Search Box

A prominent search box is positioned at the top of the homepage, allowing users to quickly find specific products. It includes features such as auto-suggestions, product previews, and a submit button for user convenience.

4. Deals of the Day

The "Deals of the Day" section is strategically placed on the homepage to grab the user's attention. It features limited-time discounts, enticing product images, and clear calls to action for users to explore these deals.

5. Recommended For You

Personalization is a significant factor in e-commerce. The "Recommended For You" section employs algorithms to display products tailored to the user's preferences, based on their browsing and purchase history. This section is designed to engage users by showcasing items they are more likely to be interested in.

6. Editor's Picks

The "Editor's Picks" section showcases a curated selection of products that the website's editorial team deems exceptional. This adds an element of trust and expertise to the website, guiding users to quality products they might not have otherwise considered.

7. Frequently Asked Questions (FAQ)

The "FAQ" section is a valuable resource for users to find quick answers to common questions regarding the website's policies, payment methods, shipping, returns, and more. It enhances user experience by providing self-help options.

8. Footer

The footer section contains essential links and information. It typically includes links to terms and conditions, privacy policy, contact information, social media links, and a subscription option. It enhances website credibility and user trust by making these details readily available.

PRODUCT DETAILS



Rings



Knuckle Rings Set for Women and Girls

\$239

[Buy now](#)

[Add to Cart](#)



KISNA Real Diamond Jewellery

\$7151

[Buy now](#)

[Add to Cart](#)



Metal Boho Midi Finger Ring for Girls

\$167

[Buy now](#)

[Add to Cart](#)



Silver Cross Engraved Stainless Steel Ring

\$949

[Buy now](#)



Gold Tone Pearls Flower Ring

\$1000

[Buy now](#)



Yellow Chimes Rings

\$185

[Buy now](#)



**Silver Cross Engraved
Stainless Steel Ring**
\$949

[Buy now](#)

[Add to Cart](#)



**Gold Tone Pearls Flower
Ring**
\$1000

[Buy now](#)

[Add to Cart](#)



**Black & Green Crystal
Shine Stones Ring**
\$268

[Buy now](#)

[Add to Cart](#)



Yellow Chimes Rings
\$185

[Buy now](#)

[Add to Cart](#)



**Rose Gold Cubic
Zirconia Brass Rings**
\$299

[Buy now](#)

[Add to Cart](#)



**Pissara 925 Sterling
Silver Cubic Zirconia
Finger Ring**
\$49

[Buy now](#)

[Add to Cart](#)

BRACELETS



Genuine Tanzanite
Bracelet
★★★★★
Rs. 699

 Buy now
 Add to Cart



Labradorite Gemstone
Bracelet
★★★★★
Rs.680

 Buy now
 Add to Cart



Wakami Earth Charm
Bracelet
★★★★★
Rs. 1060

 Buy now
 Add to Cart



Agate Wristband
Bracelet
★★★★★
Rs. 800

 Buy now
 Add to Cart



Artisan Owl Hamsa
Hand Evil Eye Dangling
Charm Protection
Bracelet
★★★★★
Rs. 650

 Buy now
 Add to Cart



Betsey Johnson
Statement Bracelet
★★★★★
Rs. 1200

 Buy now
 Add to Cart

NECKLACES



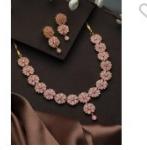
Peacock Shaded Leaf
Blades Terracotta
NeckSet
★★★★★
Rs. 699

 Buy now
 Add to Cart



Nelia Cutout Pearl
Necklace
★★★★★
Rs. 1500

 Buy now
 Add to Cart



Gold-Plated Stone-
Studded Necklace &
Earrings Set
★★★★★
Rs. 1080

 Buy now
 Add to Cart



Encircle Blue Butterfly
Pendant
★★★★★
Rs. 1449

 Buy now
 Add to Cart



Rose Gold-Plated White
AD-Studded Jewellery
Set
★★★★★
-

 Buy now
 Add to Cart



Rose Gold-Plated AD-
Studded & Beaded
Necklace & Earring Set
★★★★★
-

 Buy now
 Add to Cart

Why do we need a product page?

1. Comprehensive Product Information: Product pages for necklaces, bracelets, and rings allow customers to access detailed information about each type of jewelry. This includes specifications, materials used, sizes, and any special features. Comprehensive product descriptions help users make informed purchasing decisions.
2. Visual Showcase: These product pages provide a visual showcase of the jewelry items. High-quality images and possibly even 360-degree views allow customers to closely inspect the design, craftsmanship, and aesthetics of the jewelry. Visual appeal is a critical factor in the jewelry industry.
3. Product Variations: For each type of jewelry, there can be various designs, styles, and materials. Product pages allow for showcasing these different variations. Customers can easily compare options, whether they are looking for a delicate gold necklace or a statement silver bracelet.
4. Customer Reviews and Ratings: Having multiple products on a page allows customers to leave reviews and ratings for specific items. This social proof helps build trust and aids potential buyers in making purchase decisions.
5. Improved User Experience: Product pages are user-friendly and structured, making it easy for customers to browse and compare various items without navigating through multiple pages. This efficient experience is appreciated by online shoppers.

6. SEO Benefits: Each product page can be optimized for specific keywords related to necklaces, bracelets, and rings. This helps in improving the website's search engine ranking and attracting more organic traffic.

PRODUCT DETAIL PAGE

Ring Set
4.7(21)
Old Price: \$47.00
New Price: \$10.00 (5%)

About This Item:

Elevate your style with our enchanting Ring set,a beautiful collection of rings that exude timeless elegance in the warm, romantic glow of rose gold.This is the epitome of modern sophistication, making it the perfect addition to your jewelry collection or a thoughtful gift for someone special

Color: gold,silver
Available: in stock
Category: Jewelry
Shipping Area: All over the world
Shipping Fee: Free

1 Add to Cart Cancel

Share At

A product detail page (PDP) is a crucial component of an e-commerce website. It serves as the primary source of information for potential buyers interested in a specific product. A well-structured and informative PDP can significantly influence a customer's decision to make a purchase. Here are the key elements that a product detail page should consist of:

1. Product Title: The product's name should be prominently displayed at the top of the page. It should be clear and concise, describing the item accurately.

2. Product Images: High-quality images are essential. Include multiple images that showcase the product from various angles. Zoom and 360-degree view options are helpful for customers to examine the product in detail.

3. Product Description: A detailed product description should provide information about the item's features, materials, dimensions, and any unique selling points. This helps customers understand what they are purchasing.

4. Pricing Information: Display the price of the product clearly. If there are discounts or special offers, make sure to highlight them. Include the original price (if discounted) for comparison.

5. Product Variations: If the product comes in different colors, sizes, styles, or other variations, allow customers to select their preferences directly on the PDP. Display images and descriptions for each variation.

6. Add to Cart/Buy Now Button: Place a visible and easily accessible button that allows customers to add the product to their cart or proceed with an immediate purchase.

7. Quantity Selector: Provide an option for customers to select the quantity of the product they want to purchase.

8. Shipping Information: Offer details about shipping options, costs, estimated delivery times, and any special shipping features such as expedited delivery or free shipping.

9.Returns and Refunds Policy: Clearly communicate the return and refund policy, including the timeframe for returns and any conditions that apply.

10.Product Ratings and Reviews: If available, display customer ratings and reviews. This provides social proof and helps potential buyers make informed decisions.

11.Product Availability: Indicate whether the product is in stock or if there are limited quantities available. If the item is out of stock, provide an option for customers to receive notifications when it becomes available.

12.Size Guide and Measurements: For items like clothing, shoes, or accessories, include a size guide with measurements to assist customers in choosing the correct size.

13.Related Products: Suggest related items or accessories that complement the product. This can encourage cross-selling and upselling.

14.Product Specifications: Provide technical details, specifications, and any relevant certifications or standards the product meets.

ABOUT US PAGE

About Us

BEAUTIFUL PIECES OF ART BY ARTISANS



A unique marketplace with a vision and direction to surface the beautiful hidden treasures of the magnificent world of handmade products. **Fantasia.com** started its journey on 22 August 2022 wants to revolutionize the handmade and handicrafts trade. The artisans & creators can surface their work, Display, Sell & buy online on a platform of such Niche exclusive items from around the world, for the world. The buyer can get an ultimate bouquet of unique handmade items created by some highly passionate handcraft artists. Artisans on **Fantasia.com** work on various raw materials like Ceramic, Wood, Paper, Wrought Iron, Glass, Cork which are not only a visual treat but things of our use can be made from it. **Fantasia.com** is your exclusive online destination for all things which is Handmade.

SIMPLE AND SECURE SHOPPING on www.Fantasia.com
Shopping on our website is 100% Safe and Secure. Fantasia.com comes with an excellent Return Policy and also the terms of use are flexible which helps users get an ultimate shopping experience of handmade art online in India and around the world. Shopping on **Fantasia.com** is Secure and Safe..

[WELCOME TO FANTASIA](#)

The "About Us" page on an e-commerce website is a critical component for establishing trust, credibility, and transparency with your customers. It provides an opportunity to share information about your brand, mission, history, and the people behind the business.

Here are some key features that you should consider including in your ecommerce website's "About Us" page:

- **Company Story and History:** Share the story of how your business started, its evolution, and any significant milestones. This helps humanize your brand and connect with your audience.

- Mission and Values: Explain your company's mission, values, and the principles that guide your business. This can help customers understand what you stand for.
- Team and Leadership: Introduce the key members of your team, including founders, executives, and other key personnel. Highlight their expertise and commitment to the company's mission.
- Customer-Centric Approach: Mention how you prioritize customer satisfaction and provide exceptional service. This reassures customers that their needs are important to your business.
- Quality and Sustainability: If applicable, emphasize the quality of your products and any sustainability initiatives your company is involved in. Customers appreciate businesses that are environmentally conscious.
- Community Involvement: Share any community or social responsibility initiatives your company participates in. This demonstrates that you care about the broader community.
- Awards and Recognitions: If your business has received awards, certifications, or recognitions, showcase them on this page to establish credibility.
- Contact Information: Provide clear and accessible contact information, including a physical address, email address, and phone number. This helps customers feel they can reach out if needed.

- Customer Testimonials and Reviews: Include excerpts from customer reviews or testimonials to build trust and show that others have had positive experiences with your products or services.
- Media Coverage: If your business has been featured in the media, include links or excerpts from articles, interviews, or reviews. This can boost your credibility.
- Company Culture and Work Environment: Give insight into your company's culture, work environment, and any unique aspects of your business that make it a great place to work or buy from.
- Partnerships and Affiliations: If you have partnerships with other organizations, mention them on this page to highlight your industry connections.
- Policies and Guarantees: Mention any guarantees or return policies that are customer-friendly to reassure shoppers that their purchases are risk-free.
- FAQ Section: Include a frequently asked questions (FAQ) section to address common customer queries related to your company, products, or services.
- Photos and Videos: Incorporate images and videos that visually represent your company, its products, and its culture. This adds a personal touch and engages the audience.

- Timeline or Infographics: Consider using a visual timeline or infographics to present your company's history and growth in an easily digestible format.
- Newsletter Signup: Encourage visitors to subscribe to your newsletter for updates, promotions, and news related to your products or industry.
- Social Media Links: Provide links to your social media profiles so visitors can easily connect with your brand on various platforms.

The "About Us" page should be well-written, engaging, and visually appealing. It's an essential part of your website that helps build a strong brand identity and fosters a connection with your audience.

CONTACT US PAGE

A contact page on an e-commerce website typically includes the following features:

1. Contact Form: A form where users can input their name, email address, subject, and message to contact the store or customer support.
2. Phone Number: Display the customer support phone number for users who prefer to call.
3. Email Address: Provide an email address for inquiries and support requests.
4. Physical Address: If the e-commerce business has a physical location, display the address.
5. Live Chat: Some e-commerce websites offer a live chat feature for real-time customer support.
6. Business Hours: Indicate the hours of operation and availability for customer support.
7. Social Media Links: Links to the store's social media profiles for additional ways to connect.
8. Frequently Asked Questions (FAQs): Links to an FAQ section that might answer common customer queries.
9. Location Map: If applicable, include a map showing the physical store's location.

10. Privacy Policy: Link to the website's privacy policy to reassure users about data protection.

11. Accessibility: Ensure the contact page is accessible to all users, including those with disabilities.

12. Security: Implement security features to protect user data when they submit contact information.

13. Captcha: Use CAPTCHA or other anti-spam measures to prevent automated submissions.

14. Confirmation Message: After submitting the form, provide a confirmation message or email to acknowledge the user's request.

15. Multilingual Support: If your e-commerce business serves a global audience, consider offering the contact page in multiple languages.

16. Return and Refund Information: Include details on the return and refund policy, if applicable.

SELECT: CONTACT_FORM_INFO

Select data Show structure Alter table New item

50

100

Select

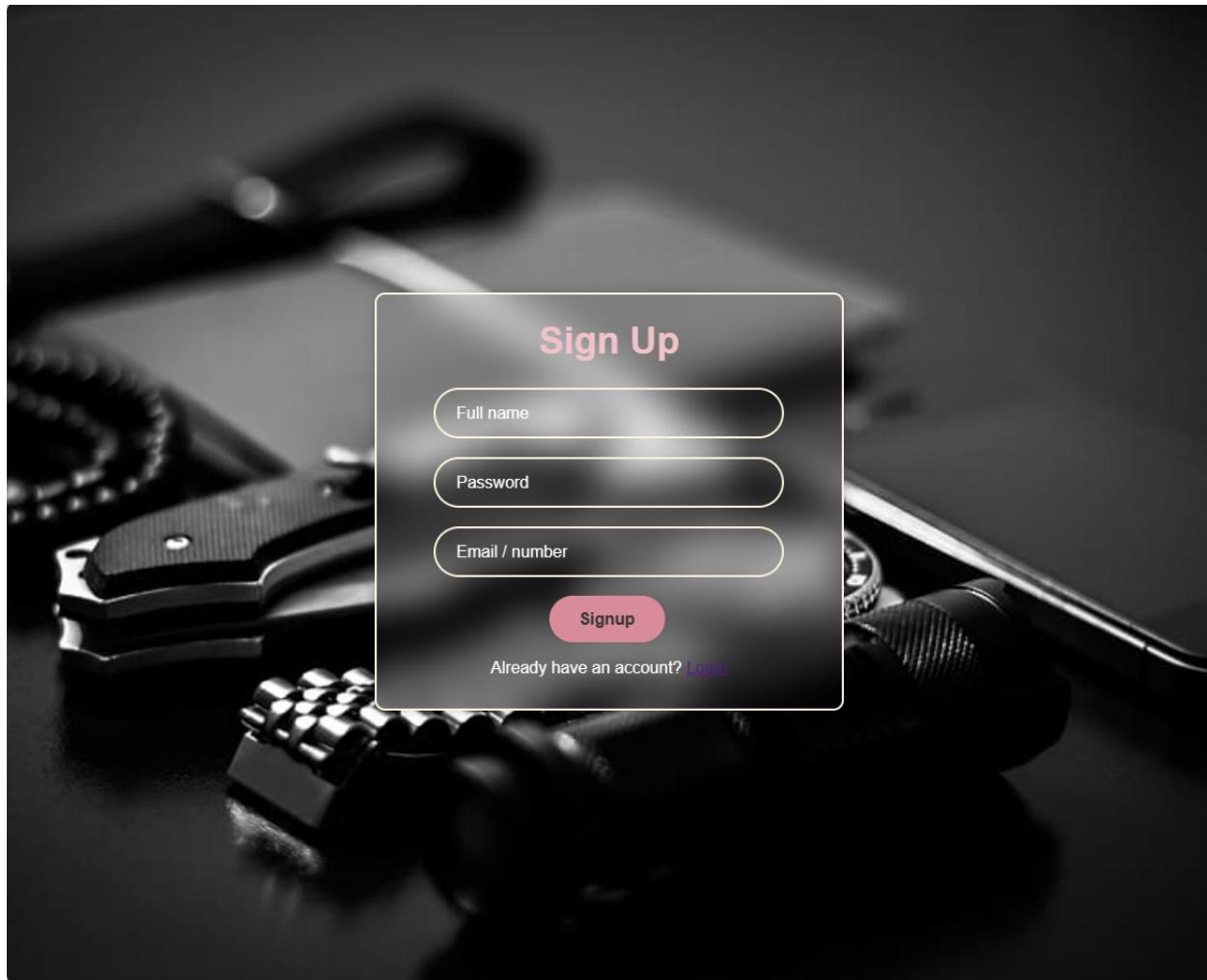
SELECT * FROM `contact_form_info` LIMIT 50 (0.000 s) Edit

<input type="checkbox"/> Modify	id	name	email	phone	comments
<input type="checkbox"/> edit	1	Pardeep	pardeepkumargt@gmail.com	2147483647	hello sir
<input type="checkbox"/> edit	2	dds	pardeepkumargt@gmail.com	2147483647	sdfs4y

The contact form stores the information about the details of the user and their queries in the application. It stores the information given in the text fields and stores it to the database when given the "Submit" button. In PHP, you can validate the form data and send the entered message to an intended email address.

Inquiry			
<input type="checkbox"/> Bulk Actions		Apply	Export CSV
			Search 3 items
	Name	Email	Subject
<input type="checkbox"/>	Gandalf Grey	realgandalfthegrey@hogwarts.com	Inquiry 2018-11-08 17:26:00
<input type="checkbox"/>	Harry Potter	realharrypotter@hogwarts.com	Inquiry 2018-11-08 17:25:46
<input type="checkbox"/>	Lucy Pevensie	reallucy@narnia.com	Inquiry 2018-11-08 17:24:42
	Name	Email	Subject
<input type="checkbox"/>			Date
<input type="checkbox"/> Bulk Actions		Apply	Export CSV
		3 items	

SIGNUP PAGE



- A signup page is a page on your website where users can sign up to use your product. They're designed to capture the email addresses of visitors and make it easy for them to access your product.
- Usually, a signup page contains a form (a signup form), where users can register by providing necessary information, such as their first and last name.
- Sign-up pages are a prime opportunity to show potential customers how they can benefit from the product.

- Keeping a signup page simple will reduce friction and increase the signup conversion rate.
- An effective signup page contains a few elements: a persuasive headline, a short registration form, and a strong call to action button.
- If there are too many fields, split the sign-up process to make it easy to complete, uncluttered, and readable.
- We created using php and connected to SQL database to store all the information that is passed to it

The screenshot shows the phpMyAdmin interface. On the left, the database tree is visible with the following structure:

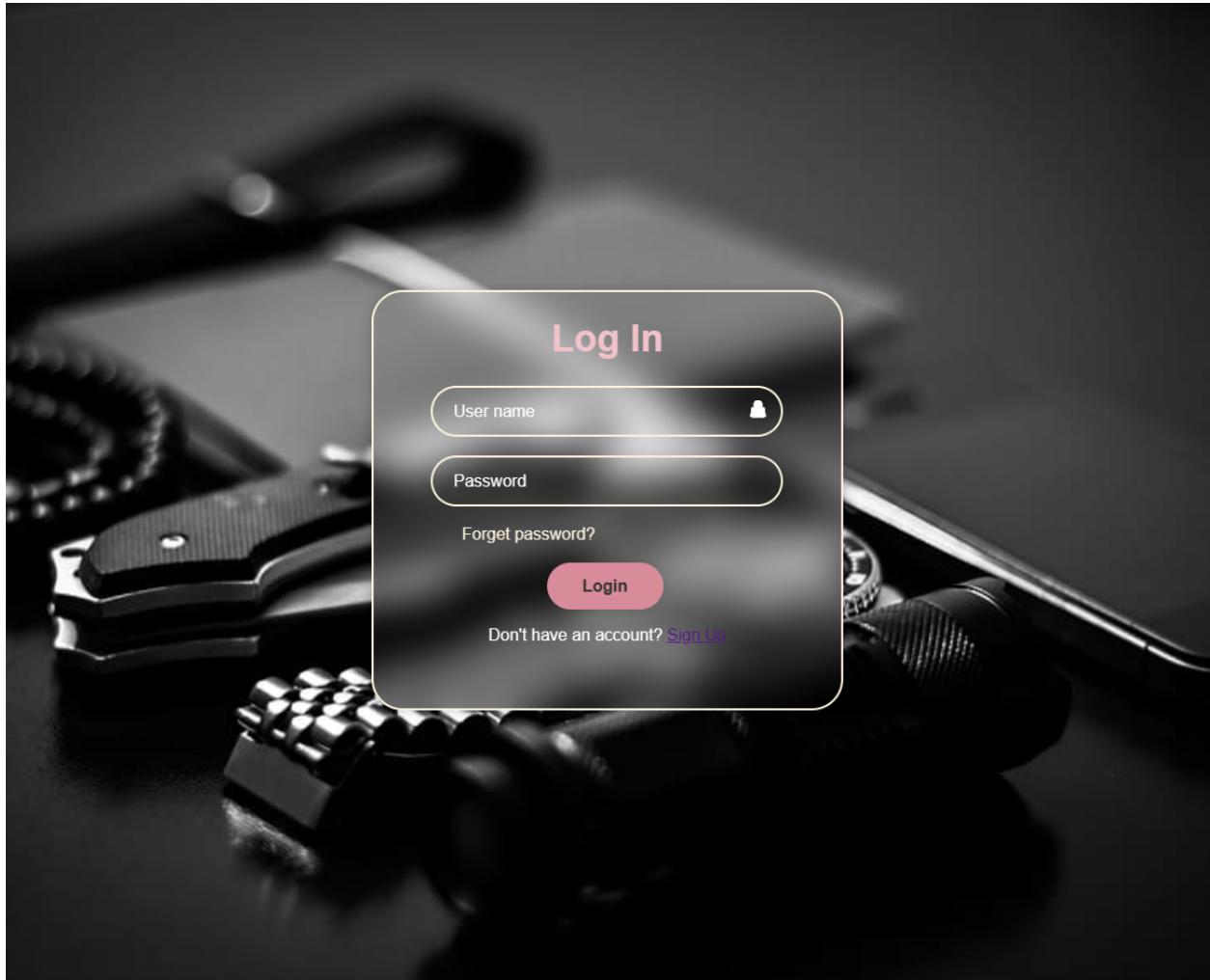
- information_schema
- login
 - New
 - forgotpwd
 - signup
- mysql
- performance_schema
- phpmyadmin
- signup
- test

The main panel shows the "login" database selected, and the "signup" table is currently viewed. The table structure is displayed with columns: `uname`, `email`, and `pwd`. The data for the four rows is as follows:

	<code>uname</code>	<code>email</code>	<code>pwd</code>
<input type="checkbox"/>	Edit Copy Delete ibm	ibm@yahoo.com	lbm@456
<input type="checkbox"/>	Edit Copy Delete Mazhil	mazhil@gmail.com	11254
<input type="checkbox"/>	Edit Copy Delete NaanMudhalvan	naanmudhalvan@gmail.com	a1b23
<input type="checkbox"/>	Edit Copy Delete vinod	vino@gmail.com	789

Below the table, there are buttons for [Edit](#), [Copy](#), and [Delete](#). There are also links for [Check all](#), [With selected:](#), and [Export](#).

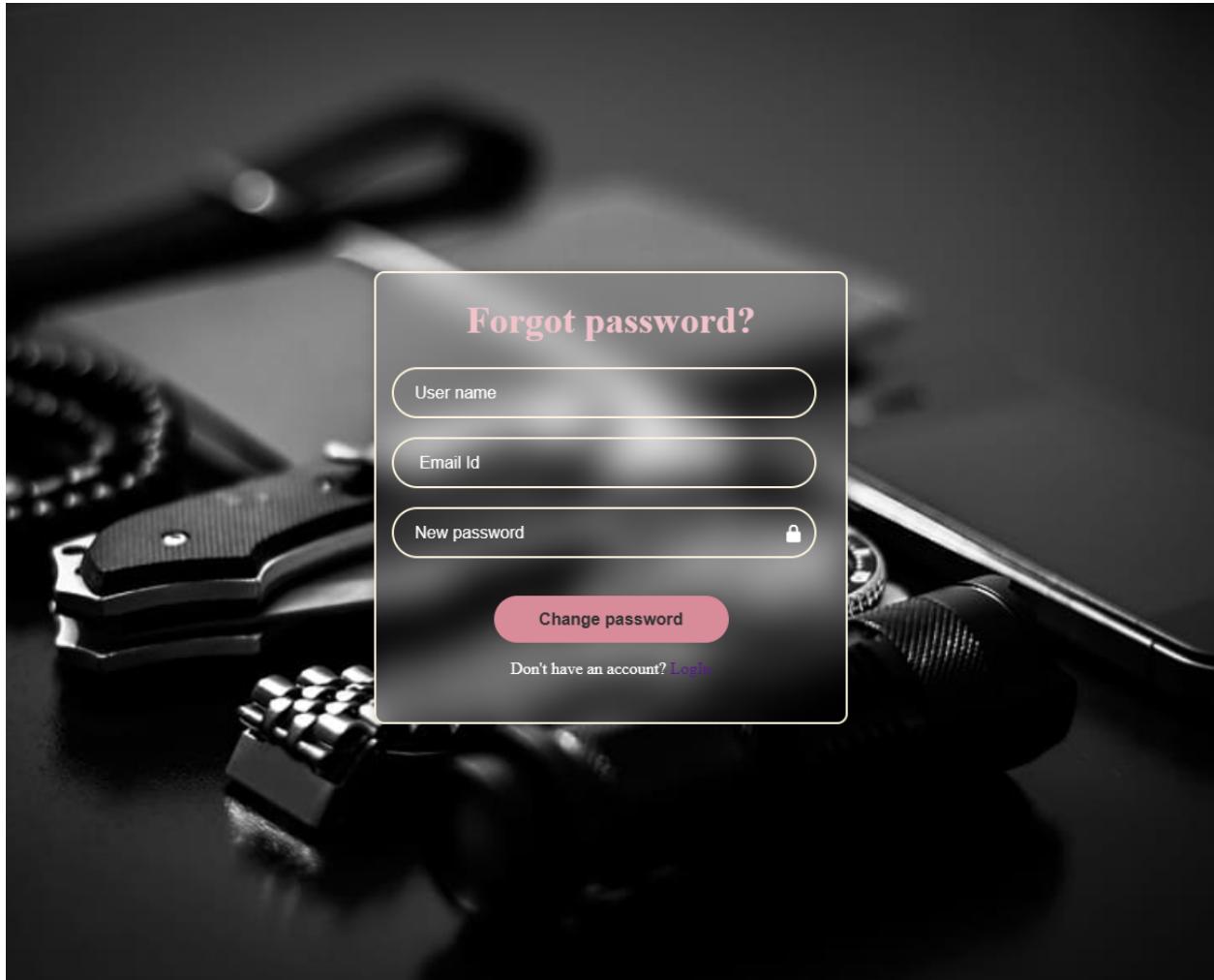
LOGIN PAGE



- Most web applications use login pages as a way to secure the application and authenticate application users. A login page specifies the login URL in a web application that users must pass through to get to the authenticated URLs at the heart of the application.
- Login Page is used to allow a user to login on the website and application.
- Applications/Websites identify the users with their username and password.

- Login Page takes user input and passes the data to the server-side program. The authentication is done by server-side program and authentication results (message) is displayed to users on the website site login form. If a user is authenticated they are forwarded to the secure section of the website.
- Login form also provides the link for the signup page. If a website user is already not registered then he/she can register by visiting the signup section of the website.
- Login page also provides the link for the forgot password page. If a website user forgets the password then he/she can change by visiting the forgot password section of the website.
- Use separate words to differentiate the “sign up” and “sign in” processes to avoid confusing users on which action to take first.
- For the backend process, the login page will use the same database as the one for sign up
- Here the given credentials will be cross verified with the database and then it will be allow users to access their respective account
- If the credentials are not correct, they would be denied access

FORGOT PASSWORD PAGE



- The forgot password page enables users who have forgotten their password to unlock, retrieve, or reset it, usually by answering account security questions or sending them an email.
- Allows end-users to reset the password stored locally in the application.
- Allows end-users to sign up for your application by validating that the end-user has access to the email address they enter by sending a password reset email.

- Supports multi-language email templates for sending password reset emails.
- The forgot page is also created with php and it is connected to SQL database (the same one as the signup)
- The credentials would be updated in the database, so the new credentials can be used to log in again

The screenshot shows the phpMyAdmin interface with the following details:

- Server:** 127.0.0.1
- Database:** login
- Table:** forgotpwd

The table structure is as follows:

	uname	email	pwd
<input type="checkbox"/>	Ibm	ibm@yahoo.com	ibm@456
<input type="checkbox"/>	Mazhil	mazhil@gmail.com	11254
<input type="checkbox"/>	NaanMudhalvan	naanmudhalvan@gmail.com	8915pq
<input type="checkbox"/>	vinod	vino@gmail.com	6648sdr

Below the table, there are buttons for **Edit**, **Copy**, and **Delete** for each row. There is also a **Check all** checkbox and a **With selected:** dropdown menu containing **Edit**, **Copy**, and **Delete**.

CART

Shopping Cart

 Peacock Shaded Leaf Blades Terracotta NeckSet Rs. 699 50% Qnt: <input type="text" value="1"/> Remove	Total Price Rs. 3279
 Nelia Cutout Pearl Necklace Rs. 1500 50% Qnt: <input type="text" value="1"/> Remove	No. of Items 3
 Gold-Plated Stone-Studded Necklace & Earrings Set Rs. 1080 20% Qnt: <input type="text" value="1"/> Remove	You Save Rs. 177
Proceed to Checkout	

Creating a webpage for a shopping cart or e-commerce platform involves several key elements and considerations. Here are some notes to help guide you through the process:

1. User Interface (UI):

- **Clean and Intuitive Design:** Design a user-friendly interface with a clear and intuitive layout. Ensure that users can easily navigate your website and find products.
- **Responsive Design:** Make sure your webpage is responsive, meaning it adapts to various screen sizes and devices.

2. Product Listings:

- **Product Images:** High-quality images that showcase the products from different angles are essential.

- Product Information: Include product names, descriptions, prices, and availability.
- Filters and Sorting: Allow users to filter and sort products by categories, price, popularity, etc.

3. Shopping Cart:

- Add to Cart: Users should be able to add products to their cart with a single click.
- Cart Summary: Display the items in the cart, quantities, and prices.
- Edit and Remove Items: Allow users to modify their cart by changing quantities or removing items.

4. Checkout Process:

- User Registration: Allow both guest and registered user checkouts.
- Shipping and Billing Information: Collect necessary information for shipping and billing.
- Payment Options: Include multiple payment methods such as credit cards, PayPal, and others.
- Order Summary: Show an order summary before the final purchase confirmation.

5. Security:

- SSL Certificate: Ensure secure data transmission with an SSL certificate.
- Payment Security: Use secure payment gateways and encryption to protect customer data.

6. User Accounts:

- **User Profiles:** Allow users to create and manage their profiles.
- **Order History:** Provide access to order history and tracking information.

7. Search Functionality:

- Implement a robust search feature that allows users to find products easily.

8. Reviews and Ratings:

- Include a system for customers to leave reviews and ratings for products.

9. Promotions and Discounts:

- Allow the application of coupon codes or discounts during the checkout process.

10. Responsive Customer Support:

- Provide clear contact information and customer support options.

11. Shipping and Returns:

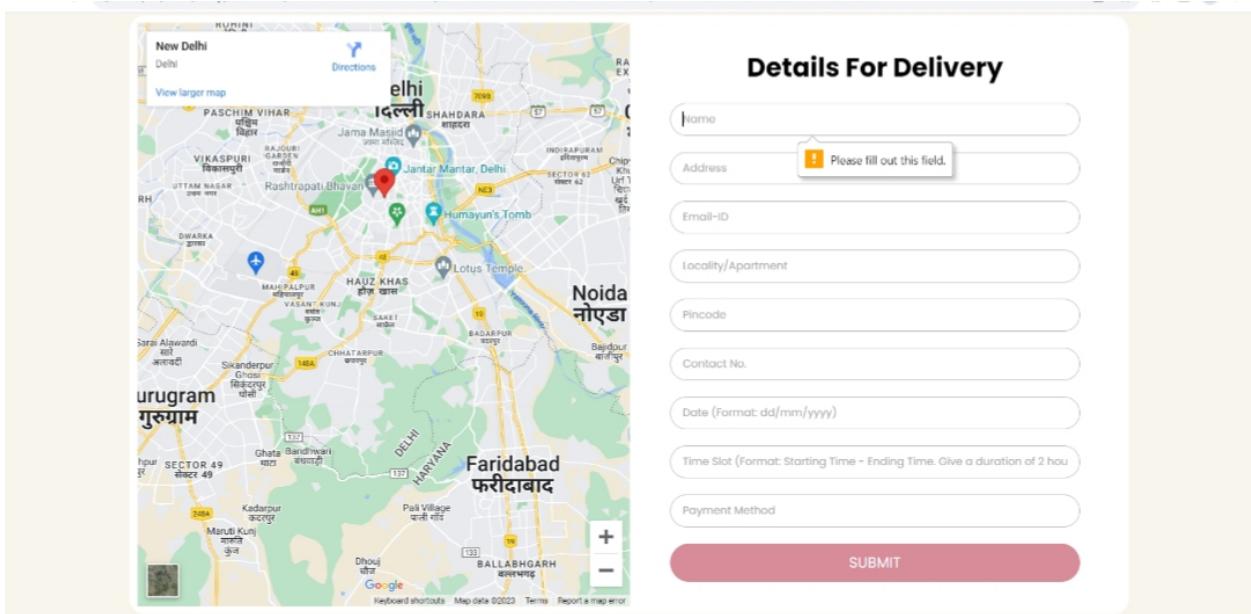
- Clearly outline shipping costs and estimated delivery times.
- Have a transparent return policy.

12. Feedback and Improvement:

- Collect user feedback and continuously work on improving the user experience.

PAYMENT

Payment on websites can be made through various methods depending on the website's offerings and the payment options they support. Here's a general overview of how payments are typically processed on websites:



1. Credit/Debit Cards: This is one of the most common payment methods. Users can enter their card details, including card number, expiration date, and CVV (Card Verification Value) to make a payment. Websites usually use secure encryption protocols to protect this information.
2. Digital Wallets: Digital wallets like PayPal, Apple Pay, Google Pay, and others are increasingly popular. Users link their payment information to their digital wallet accounts, making the checkout process quicker and more convenient.

3. E-commerce Platforms: If you're shopping on an e-commerce website like Amazon, eBay, or Shopify stores, you can often choose from a variety of payment methods, including the ones mentioned above.

4. Subscription Services: Websites offering subscription services typically allow users to set up recurring payments. You might choose the subscription plan, provide payment information, and payments are automatically processed at regular intervals.

5. Prepaid Cards/Vouchers: Some websites allow users to pay with prepaid cards or vouchers that can be purchased online or in physical stores.

6. QR Codes: Some websites and physical stores use QR codes that can be scanned with a mobile app to initiate a payment. This is common for person-to-person payments and in-store transactions.

7. Cash on Delivery (COD): Some websites, particularly in regions with less online payment infrastructure, offer cash-on-delivery options. The user pays in cash when the product is delivered to their doorstep.

8. Gift Cards: Users can redeem gift cards or gift certificates to make purchases on websites. These are often issued by the website or a third-party retailer.

9. Bill Payment: Some websites, like utility companies or government agencies, allow users to pay bills online. Users input their account information and make payments for services rendered.

CARD NUMBER

NAME OF CARD HOLDER EXPIRY
MM / YYYY

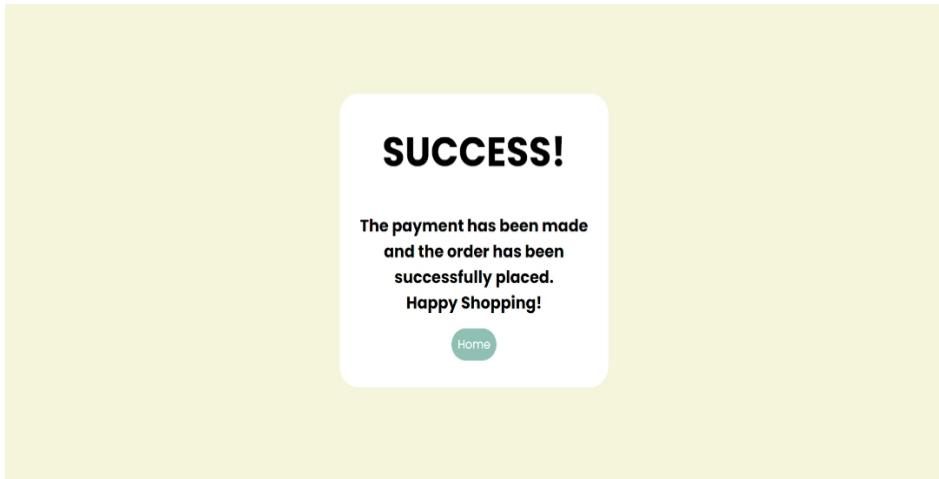
BRANCH NAME

NAME ON CARD

EXPIRY MM EXPIRY YY CVV

MONTH YEAR

SUBMIT



USER ACCOUNTS



User accounts is a feature that allows the user to create and manage their personal information . Basically the user would be able to update their profile information, view their orders, can start their business account, manage their payment options and also change their settings.

1. ACCOUNTS :

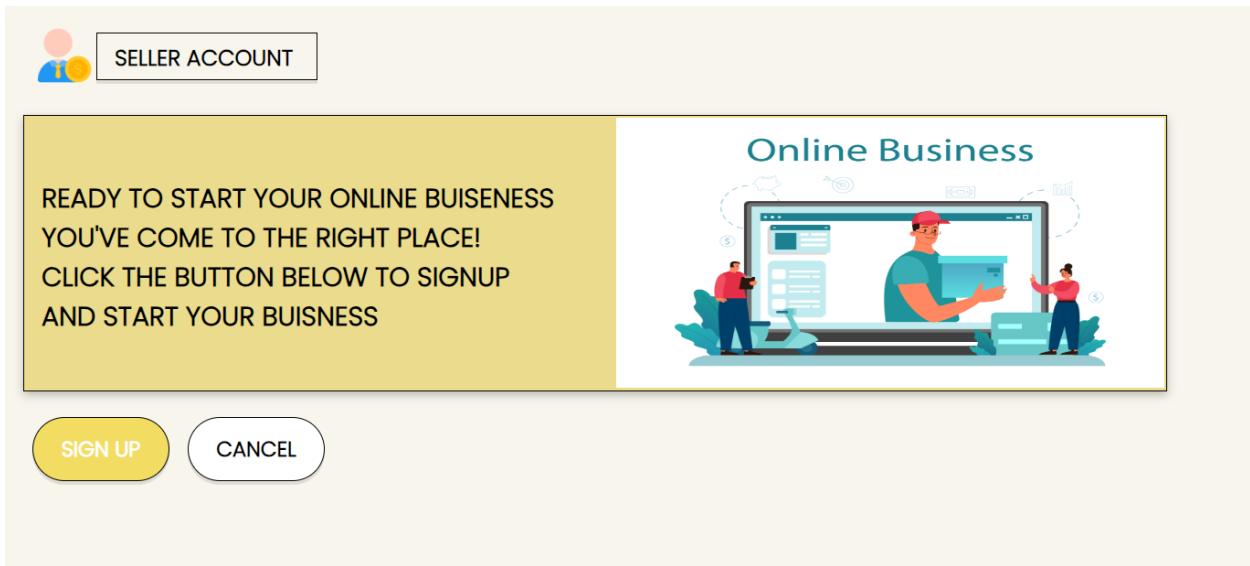
A detailed screenshot of the "ACCOUNTS" form. At the top left is a user icon and the word "ACCOUNTS". The form contains six input fields arranged in two rows of three: "User Name" and "E-mail Id", "First Name" and "Password", and "Last Name" and "Mobile No.". Below these is a single large "Delivery Address" field. At the bottom are two buttons: "SUBMIT" on the left and "CANCEL" on the right.

The user would be able to provide their essential information details like user name, e-mail id, address, mobile no etc. These information are helpful when the order is being placed and to seek any help.

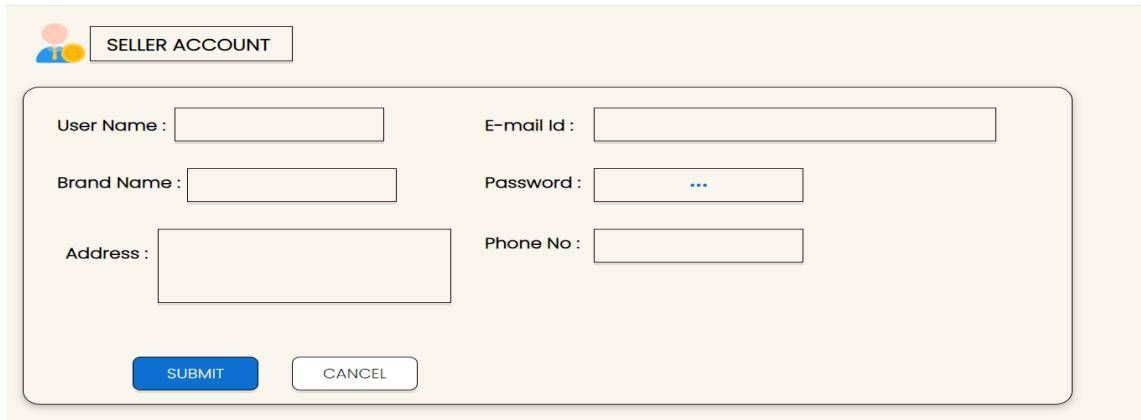
2. Orders:

The orders page allows the user to check their orders that has been placed as well as their previous orders.

3. Seller Account:



The Seller Account page is for the users who want to start their online business on the platform. By clicking the signup button the user would be directed to a page where they must provide the necessary information.



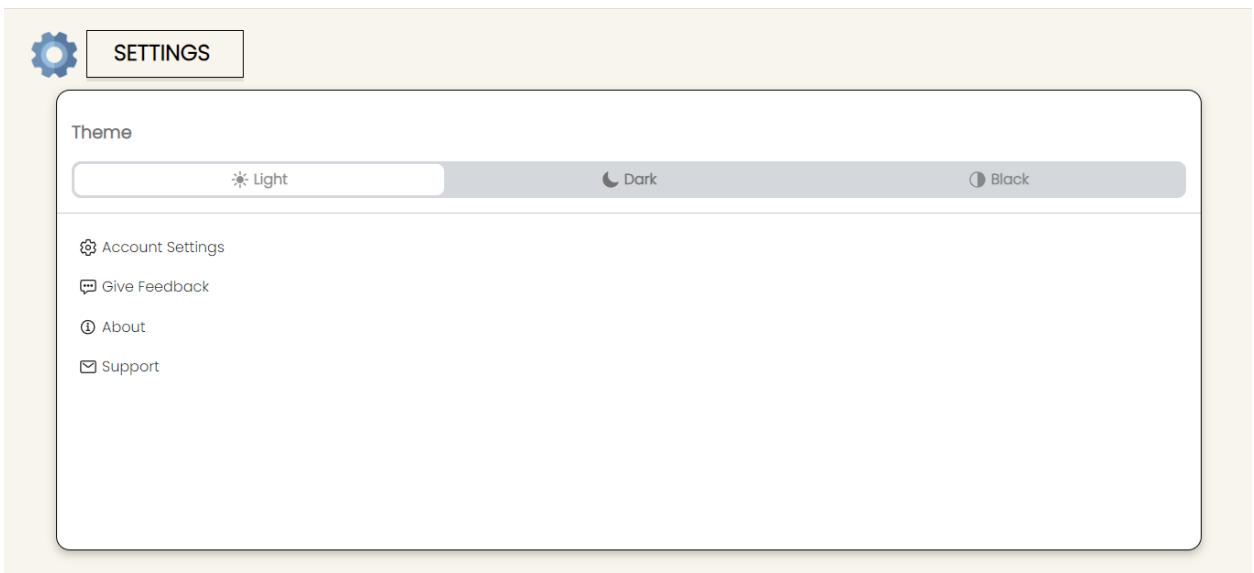
The image shows a 'SELLER ACCOUNT' form. It includes fields for User Name, E-mail Id, Brand Name, Password, Address, and Phone No. There are 'SUBMIT' and 'CANCEL' buttons at the bottom.

User Name :	<input type="text"/>	E-mail Id :	<input type="text"/>
Brand Name :	<input type="text"/>	Password :	<input type="password"/> ...
Address :	<input type="text"/>		
<input type="button" value="SUBMIT"/>		<input type="button" value="CANCEL"/>	

4. Payment:

The Payment option allows the user to check their payment methods and also modify them.

5. Settings:



The image shows a 'SETTINGS' screen. It features a 'Theme' section with 'Light', 'Dark', and 'Black' options. Below this are links for 'Account Settings', 'Give Feedback', 'About', and 'Support'.

 SETTINGS		
Theme		
<input checked="" type="radio"/> Light	<input type="radio"/> Dark	<input type="radio"/> Black
Account Settings		
Give Feedback		
About		
Support		

The settings are used to modify some of the basic features like the theme, feedback, about and support.

6. Sign out:

The signout helps the user to signout from their respective account.