COMSATS UNIVERSITY ISLAMABAD, ABBOTTABAD

Human computer interaction

Lab Final

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Question 1: (CLO-1) [5 marks]

## Abaya & Hijab E-Commerce Shop

List of User Experience Goals:

The Abaya & Hijab E-Commerce Shop prioritizes the following UX goals to provide a smooth, enjoyable, and inclusive shopping experience. By addressing usability, accessibility, and satisfaction alongside error tolerance and efficiency, the platform ensures that users can effortlessly find and purchase products that align with their preferences and needs. (Website: https://libaslegrace.vercel.app/)

- Usability
- Accessibility
- Learnability
- Memorability
- Effectiveness
- Efficiency
- Satisfaction
- Error Tolerance

Selected Designs and Their Relationship to UX Goals:

Usability

- The website features a clear layout with categories like "New Arrivals", "Search by category". A search bar with autocomplete suggestions helps users find products quickly.
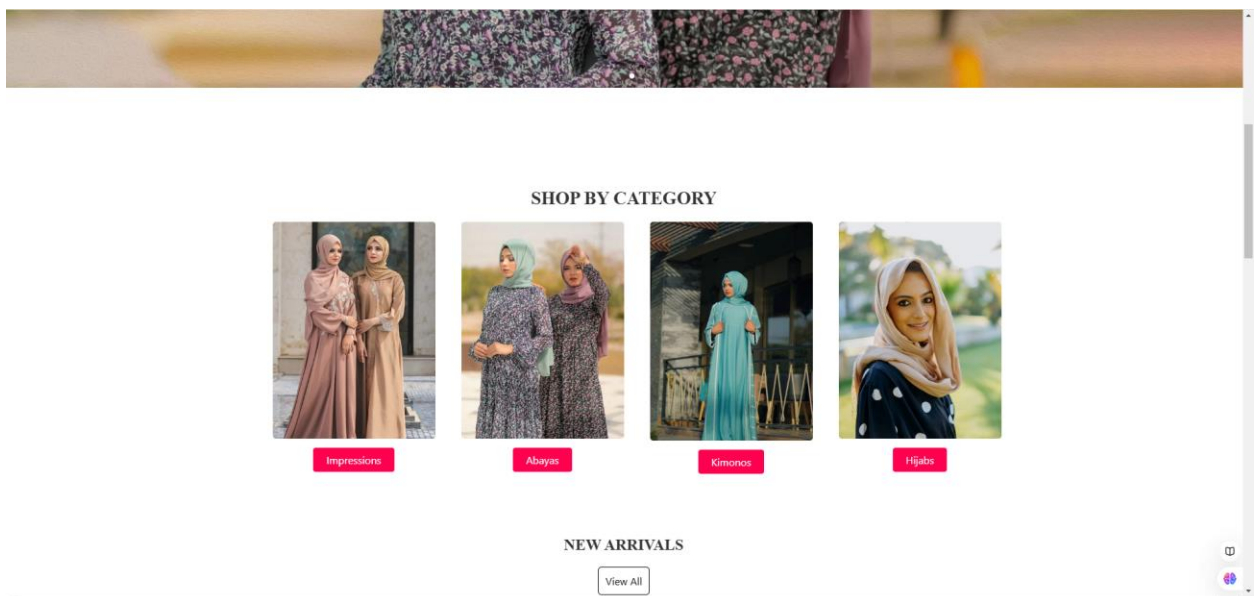
Accessibility

- o Mobile-friendly design ensures users can shop on any device.
- o Adjustable font sizes and contrast options cater to users with visual impairments.

Effectiveness

- o High-quality filters (e.g., by size) make finding specific abayas or hijabs effortless.

- Clear product descriptions, fabric details, and size charts minimize confusion.

Satisfaction

- **Definition:** Ensures users enjoy the overall experience.
- **Application:**
  - Beautiful product photography and clean aesthetics enhance visual appeal.
  - Customer reviews and ratings provide social proof, building trust.
  - Regular promotions and discount codes keep users engaged and happy.

libaslégrace   HOME ABAYAS HIJABS ACCESSORIES ABOUT CONTACT CHECKOUT 👤 LOGIN

Welcome to our store!

Discover the latest fashion trends and shop with us.

Shop Now

ABAYAS

MW Amblish
Price: 1050
Add to Cart

MW Clestial
Price: 1500
Add to Cart

Graceful Eleganc
Price: 2000
Add to Cart

M Charming Floral Sundress
Price: 2050
Add to Cart

Libaslegrace

libaslégrace our brand is a reflection of the timeless essence of covering oneself in accordance with the directives of Allah.

f 📷 🐦 ▶

Quick Links

Home
About
Contact
Blog
Message From the CEO

Contact Info

📍 Abbottabad, Pakistan
📞 +92 3365613777
✉ laibabintatahir@gmail.com

Efficiency

- **Definition:** Ensures users can complete tasks quickly and with minimal effort.

- **Application:**

    o A streamlined payment system with multiple options (e.g., credit card, bank transfer, cash on delivery) reduces checkout time.

Learnability

- **Definition:** Ensures users can quickly understand how to use the platform.

- **Application:**

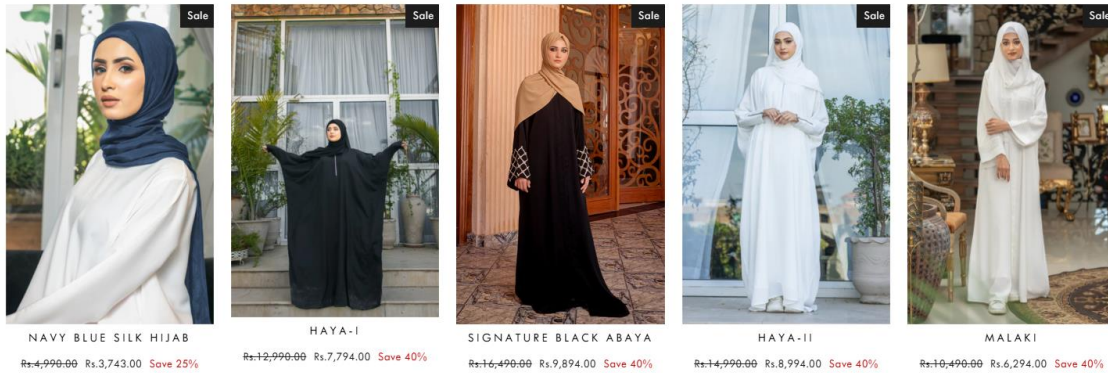   o Tooltips and FAQs guide first-time users on how to browse and purchase products.

Memorability

- **Definition:** Ensures users can easily recall how to navigate the platform during subsequent visits.

- **Application:**

YOU MAY ALSO LIKE

NAVY BLUE SILK HIJAB	HAYA-I	SIGNATURE BLACK ABAYA	HAYA-II	MALAKI
Rs.4,990.00 Rs.3,743.00 Save 25%	Rs.12,990.00 Rs.7,794.00 Save 40%	Rs.16,490.00 Rs.9,894.00 Save 40%	Rs.14,990.00 Rs.8,994.00 Save 40%	Rs.10,490.00 Rs.6,294.00 Save 40%

Personal portfolio website

A personal portfolio website that aligns with these UX goals ensures a professional, engaging, and user-friendly experience. This will not only attract potential clients or employers but also leave a lasting impression.

Website (https://laibabintetahir.vercel.app/)

Usability

o   A clean and minimalistic layout with intuitive navigation.

o   Clearly labeled sections such as "About Me," "Projects," "Skills," "Blog," and "Contact."

o   A prominent bar or sticky menu for easy access to all pages.
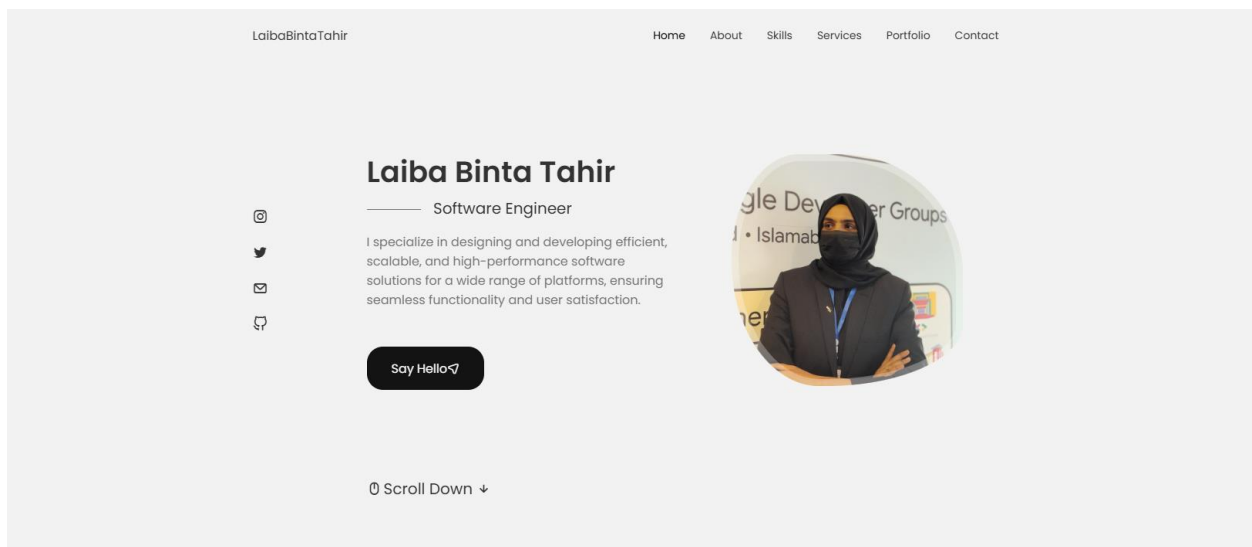
Accessibility

- o Responsive design for seamless viewing on mobile, tablet, and desktop devices.

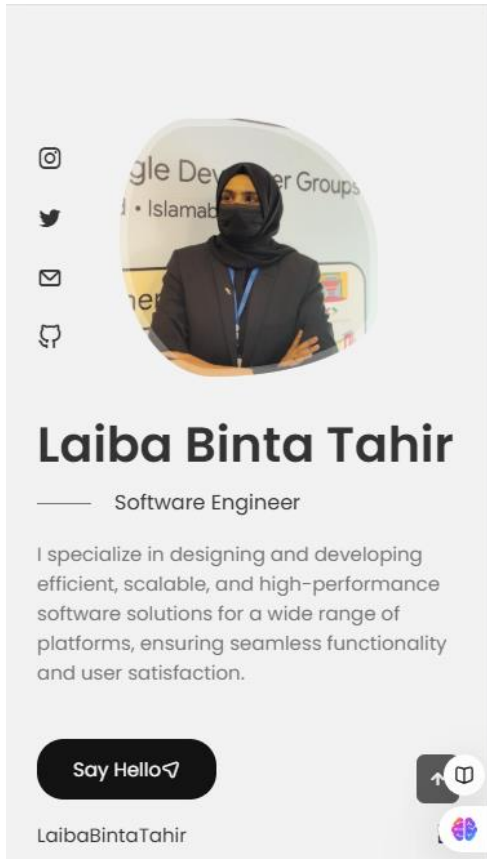- o High-contrast color schemes for readability.

- o Alt text for images and screen reader compatibility for visually impaired users.

Learnability

- o Familiar design patterns, such as clickable icons for social media and project cards.

- o Easy-to-locate "Contact" and "Portfolio" sections to immediately fulfill user's needs.

Get in touch

Contact Me

Talk to me

✉
Email
laibabintatahir@gmail.com
Write me →

☺
Whatsapp
0336-5613777 Write me →

Write me your project

Name
Insert your name

Mail
Insert your mail

Project
Write your project

Send Message ⊲
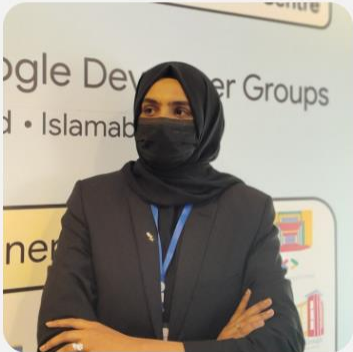
Effectiveness

o   Clear CTAs like "Download CV".

About Me

My introduction

♀ Experience	💼 Completed	☁ Support
2 Years	10+ projects	Online 24/7

I specialize in crafting high-quality web and mobile applications. From designing to development, I provide a complete solution for your business. I have a strong passion for developing web and mobile applications.

Download CV ⬇

Efficiency

- o Fast-loading pages and optimized media for smooth browsing.

- o A one-click "Back to Top" button for efficient navigation.
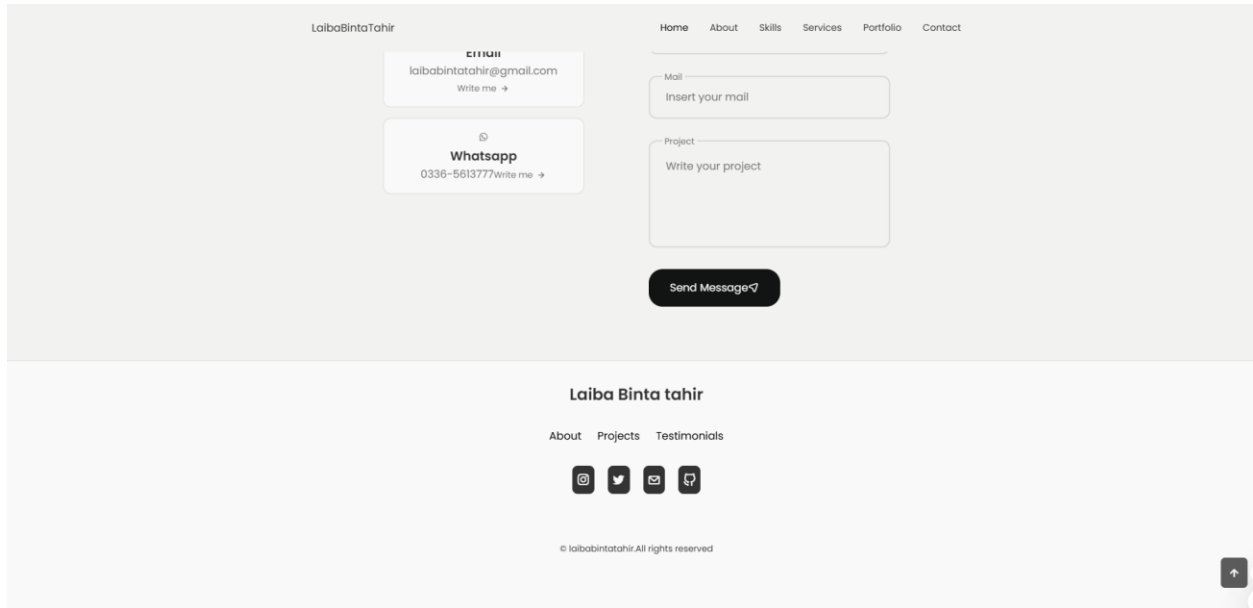
Satisfaction

- o Visually appealing design with professional yet personalized aesthetics.

- o Engaging animations or interactive elements to keep users entertained.

- o Testimonials or success stories to build trust and provide social proof.

all   web   app   design

web design

Demo →

Brand design

Demo →

App movil

Demo →

web development

Demo →

Question 2: (CLO-2-6) [20 marks]

System Overview

A web-based platform that connects **software engineers, civil engineers, and project management professionals** with service providers. The platform offers user-friendly navigation, intuitive interfaces, and an engaging experience while adhering to human-computer interaction (HCI) principles.
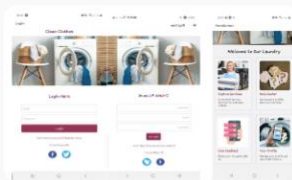

Five Design Principles

1. **Affordance:**

   o   Buttons and interactive elements are clearly labeled (e.g., "Contact Now").

   o   Icons like a phone or email symbol afford communication.

2. **Feedback:**

   o   Success messages after actions like form submission or profile updates.

   o   Visual cues (e.g., changing button color) on hover or click.

SC   About Us   Services   How It Works   Contact Us   Get Started   Contact Us

Get in Touch

We'd love to hear from you! Reach out anytime.

✉ support@serviceproconnect.com
☎ +1 (555) 123-4567
📍 123 Market St, Suite 400, San Francisco, United States

Name

Enter your name

Email

Enter your email

Message

Type your message

☐ I accept the Terms

Submit

The form was sent successfully.

Service Connect

Services   Notifications   Feedback   About Us

Get Started

Get in Touch

We value your feedback and insights.

Name

Enter your name

Email

Enter your email

Message

Type your message

☐ I accept the Terms

Submit

3. **Consistency:**

    o Fonts, colors, and design elements remain consistent across all pages.

    o Uniform interaction patterns for similar functions.

4. **Visibility:**

   o Important actions like "Sign Up" or "Contact" are always visible.

   o Highlight new or updated service providers on the homepage.

5. **Error Handling:**

   o Clear error messages (e.g., "Please fill out the fields")

   o Steps to recover from errors, such as re-entering invalid input.

Name

Enter your name

⚠ Please fill out this field.

Email

Enter your email

Message

Type your message

☐ I accept the Terms

Submit

System Interfaces

1. Home Page

o   Search bar for service providers. And Featured service providers based on ratings or new entries.

SC   About Us   Services   How It Works   Contact Us   Get Started   Contact Us
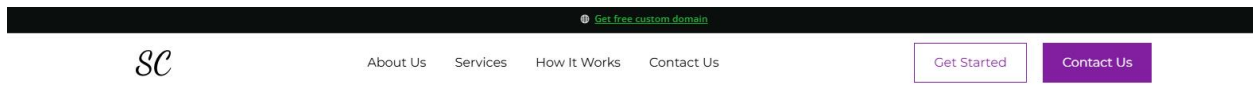
Connect with
Trusted Professionals

Discover a world of opportunities with ServicePro Connect. Our platform uses AI-powered search to help you find the best service providers tailored to your needs. Experience seamless navigation and real-time updates.

Get Started   Learn More

2. Search and Filter Page

- **Design:**
  - Filters for location, expertise, rating, and availability.
  - Service provider cards with quick access to profiles and contact options.

3. Feedback/Contact Page

FAQ section for quick resolution of common issues.

SC   About Us   Services   How It Works   Contact Us   Get Started   **Contact Us**

FAQs

Find answers to common questions about our platform, services, and how to connect with service providers effectively.

How do I find service providers?   ⌄

What types of services are available?   ⌄

How does the feedback system work?   ⌄

Need More Help?

Contact us for further assistance or inquiries.

Get Support

SC   About Us   Services   How It Works   Contact Us   Get Started   **Contact Us**

Discover Our Platform's Key Features

ServicePro Connect offers a seamless experience with AI-powered search, allowing users to find service providers based on expertise, location, and ratings. Our user-centric design ensures easy navigation, while real-time notifications and an interactive feedback system enhance engagement and service quality.

AI-Powered Search

Our platform uses advanced AI algorithms to provide personalized service provider recommendations, ensuring you find the best match for your needs.

Learn More

User-Centric Design

Experience seamless navigation with our intuitive design, making it easy to explore and connect with professionals on our platform.

Learn More

Real-Time Engagement

Stay updated with real-time notifications and engage with our interactive feedback system to ensure high-quality service experiences.

Learn More

Norman's 8 Design Heuristics

1. **Visibility of System Status:**

   o Real-time notifications for actions like submitting forms or receiving messages.

   o Loading indicators for profile updates or search results.

2. **Match Between System and Real World:**

   o Familiar terms like "Search," "Filter," "Contact," and "Submit."

   o Use of visual icons representing engineering fields (e.g., gear for software engineers).

3. **User Control and Freedom:**

   o Allow users to edit or delete profiles, reset filters, and cancel actions (e.g., message drafts).

   o A "Back" button or breadcrumbs for easy navigation.

4. **Consistency and Standards:**

   o Uniform layout and consistent interaction patterns across all pages.

   o Standard icons and symbols for common actions like "Search" or "Edit."

5. **Error Prevention:**

   o Validation for mandatory fields in forms (e.g., "Email is required").

   o Warnings before deleting profiles or sending feedback.

6. **Recognition Rather Than Recall:**

   o Autofill suggestions for forms and frequently searched keywords.

   o Display of recently contacted providers or recent searches.

7. **Flexibility and Efficiency of Use:**

   o Save frequently used filters as presets for professionals who return often.

   o Keyboard shortcuts for advanced users (e.g., pressing "Enter" to search).

8. **Aesthetic and Minimalist Design:**

   o Clean and organized interface without unnecessary elements.

   o Simple yet professional color schemes tailored to each profession.