
Software Design and Testing

For Luxchono

Prepared by

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Course: IT643

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Introduction

LUXCHONO WATCHES is a form of a digital web platform which facilitates Customer to directly purchase watches from reputed brands. Via this platform buyers will now able to easily purchase their wanted watches. Here is a look at top brands that implement stunning luxury watches. The website provides a platform where buyers directly purchase our branded watches. Luxchono is platform which combines the huge variety of brands at a single spot. So the customers do not need to visit physically any Store.

Objectives of the Project

- To create a user-friendly digital platform for purchasing luxury watches online.
- To provide customers with a wide variety of brands and watch categories at one place.
- To allow users to filter products by brand, category, or price.
- To offer a seamless buying experience with wishlist, cart, checkout, and receipt generation.
- To enable secure online payments using Razorpay along with other payment options like COD.
- To provide an admin interface for managing products, categories, brands, users, and orders efficiently.

Tech Stack

Frontend: React, Tailwind CSS

Backend: Node.js, Express.js

Database: MongoDB

Cloud Services: Cloudinary (Image storage & optimization)

Third-Party Integrations: Razorpay (Payment Gateway Integration) , Tawk.to(Live Chat Support)

System Functionalities

User Functionalities :

1. User Registration & Login

Users can create an account using email verification (OTP) and securely log in to access personalized features such as wishlist, cart, and order history.

2. Product Browsing & Detailed View

Users can explore all available watches with complete details including brand, category, specifications, images, and pricing.

3. Product Search & Filtering

The system allows users to easily find products by applying filters such as brand, category, and price range.

4. Wishlist Management

Users can save their favorite products by adding them to a wishlist for future purchase.

5. Cart Management

Users can add items to the cart, update quantities, review selections, and remove products before checkout.

6. Address Management

Users can add, edit, and manage multiple delivery addresses used during checkout.

7. Order Placement & Checkout

Users can place orders by selecting an address, reviewing their items, and choosing a preferred payment method.

8. Online & Offline Payment Options

The system supports Razorpay for secure online payments and also provides a Cash on Delivery (COD) option for users who prefer offline payment.

9. Invoice & Receipt Generation

Once the order is placed, users receive a digital bill receipt which they can download or view in their account.

10. Order Tracking

Users can track their order status in real time through stages such as Pending, Packed, Shipped, and Delivered.

11. Profile & Account Management

Users can update their personal information, manage saved addresses, and maintain account details.

12. Order History

Users can view all previously placed orders along with their details, payment information, and invoice copies.

Admin Functionalities :

1. Admin & Root Admin Login

Admins and Root Admins can securely log in to access the admin dashboard and manage the system according to their assigned roles.

2. Root Admin Controls & Sub Admin Management

The Root Admin has complete access to the system, including the ability to create Sub Admin accounts, assign permissions, and control which modules they can manage.

3. Product Management

Admins can add new products, update details, upload images using Cloudinary, manage pricing and descriptions, and delete products when required.

4. Category & Brand Management

Admins can create, edit, and delete product categories and brand names to maintain a well-structured and organized product catalog.

5. Order & Stock Management

Admins can view all user orders, update order statuses (Pending, Packed, Shipped, Delivered), and manage stock levels to ensure product availability.

6. User Management

Admins can view and manage user information, track user activities, and ensure proper handling of customer-related data.

7. Invoice & Billing Access

Admins can view and download digital invoices for verification, records, and order tracking purposes.

8. Dashboard Overview

Admins can monitor the overall performance of the platform through a dashboard displaying key metrics such as total orders, number of users, available products, and sales activity.

Scope of the System

- Manages users, products, categories, orders, and cart details.
- Offers secure authentication and data protection.
- Automates stock management, billing, and order handling.
- Simplifies online shopping by offering a large variety of branded watches.
- Provides real-time order tracking for users.
- Supports complete purchase workflow from browsing to payment.

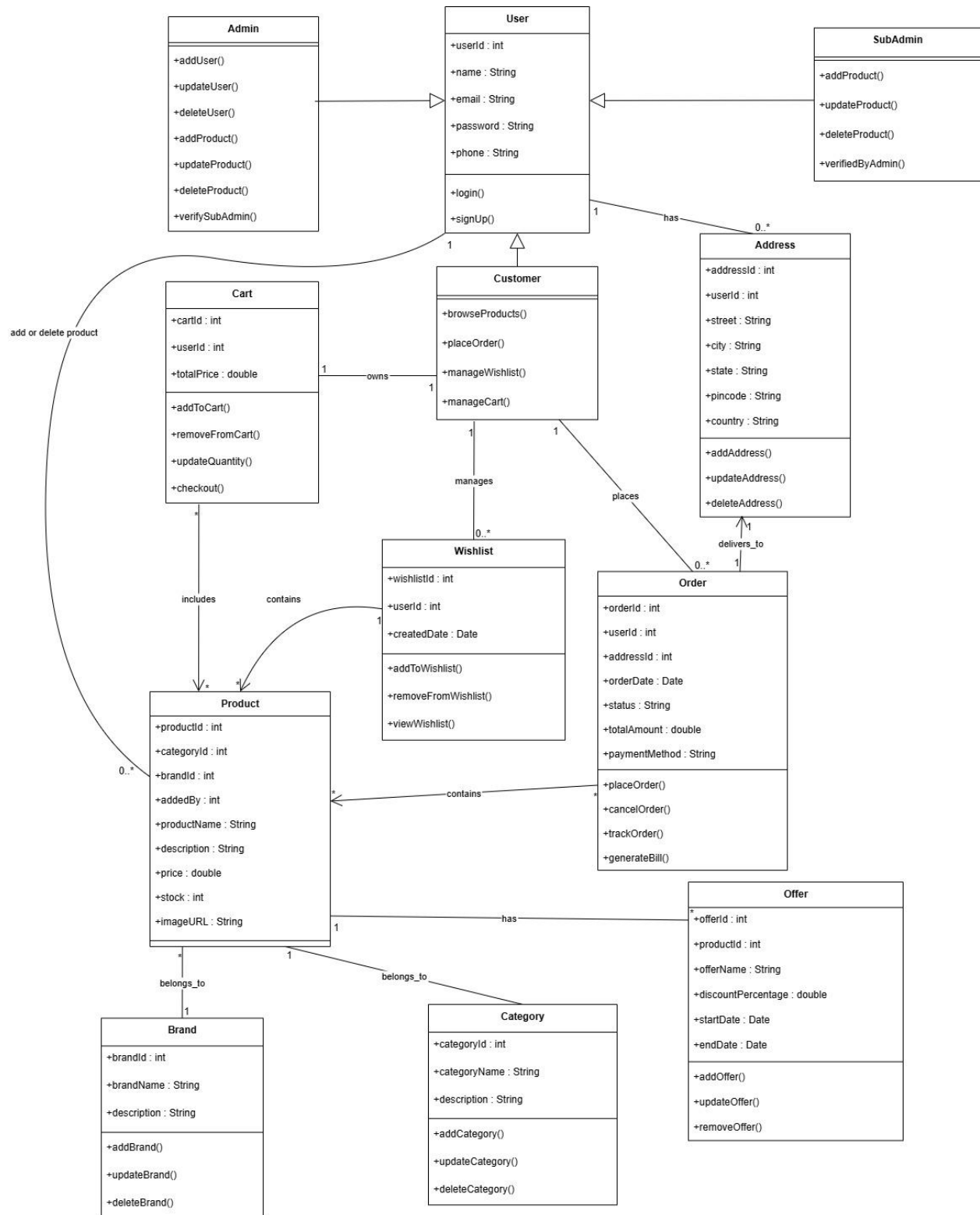
Conclusion

The Luxchono Watches web application successfully delivers a convenient, secure, and modern e-commerce experience for users looking to purchase luxury watches online. It integrates essential features such as user authentication, product filtering, wishlist, cart, checkout, and online payment via Razorpay. The admin panel ensures efficient management of all system components including products, users, orders, and brands. Overall, the project provides a complete, functional, and scalable online shopping solution.

Link

- GitHub Link : [Luxchono](#)
- Deployment Link :
 - Admin: <https://luxchono-admin.vercel.app/>
 - User: <https://luxchono-watch.vercel.app/>

Class Diagram



ScreenShots

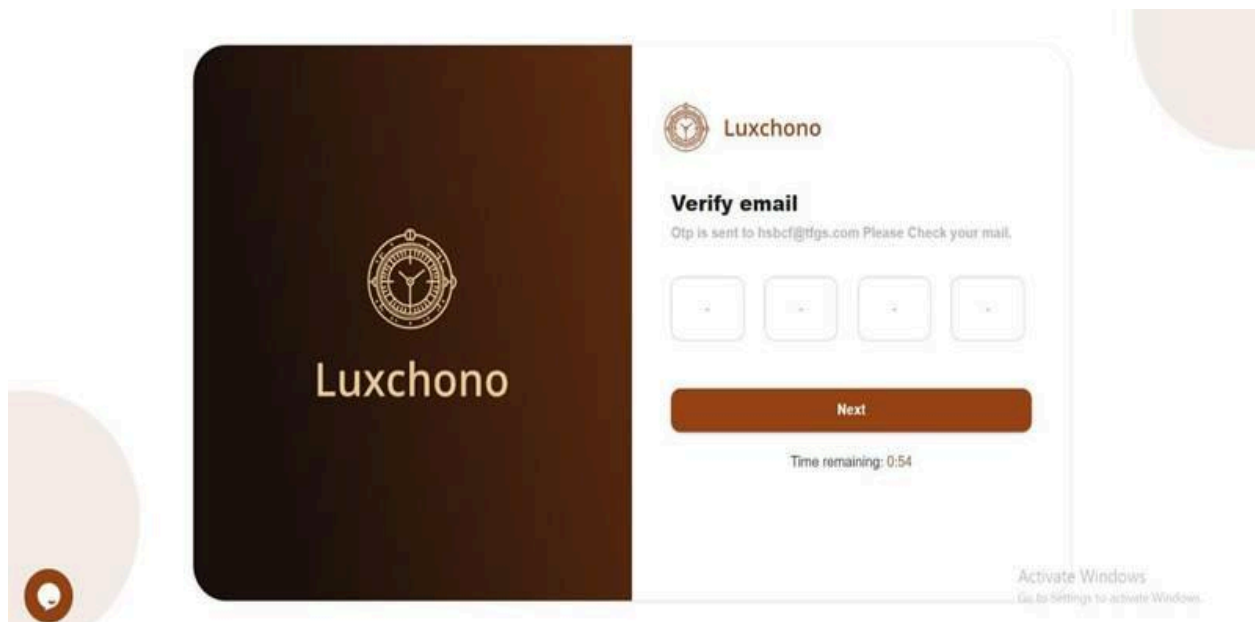
User Side

User Email Verification



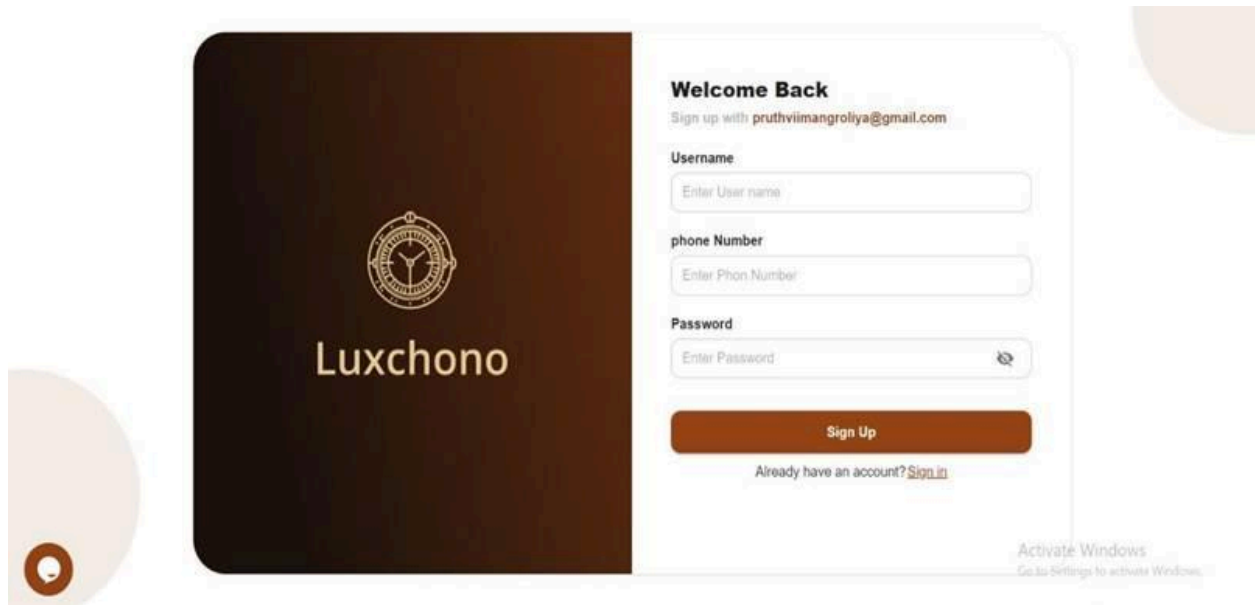
The screenshot shows a mobile application interface for email verification. On the left is a dark brown sidebar with a circular logo at the top and the word "Luxchono" in white text below it. The main area is white and contains the "Luxchono" logo at the top, followed by the heading "Email verification" and the instruction "Enter your Email here...". Below this is a text input field labeled "Email Address" with the placeholder text "Enter Email Address". A brown "Submit" button is positioned below the input field. At the bottom right, there is a small "Activate Windows" watermark.

User OTP Verification



The screenshot shows the next step in the mobile application interface for OTP verification. The dark brown sidebar on the left remains the same. The main white area now features the heading "Verify email" and the instruction "Otp is sent to hsbcf@tfgs.com Please Check your mail.". Below the instruction are four empty square boxes for entering the OTP digits. A brown "Next" button is located below the boxes. At the bottom, it displays "Time remaining: 0:54". The "Activate Windows" watermark is also present at the bottom right.

User Registration



The registration form is presented on a dark brown background with the Luxchono logo and name. The form itself is white and titled 'Welcome Back'. It includes a pre-filled email address, input fields for Username, phone Number, and Password, a 'Sign Up' button, and a link to 'Sign in' for existing users. A Windows activation watermark is visible in the bottom right corner.

Welcome Back
Sign up with: pruthvimangroliya@gmail.com

Username
Enter User name

phone Number
Enter Phon Number

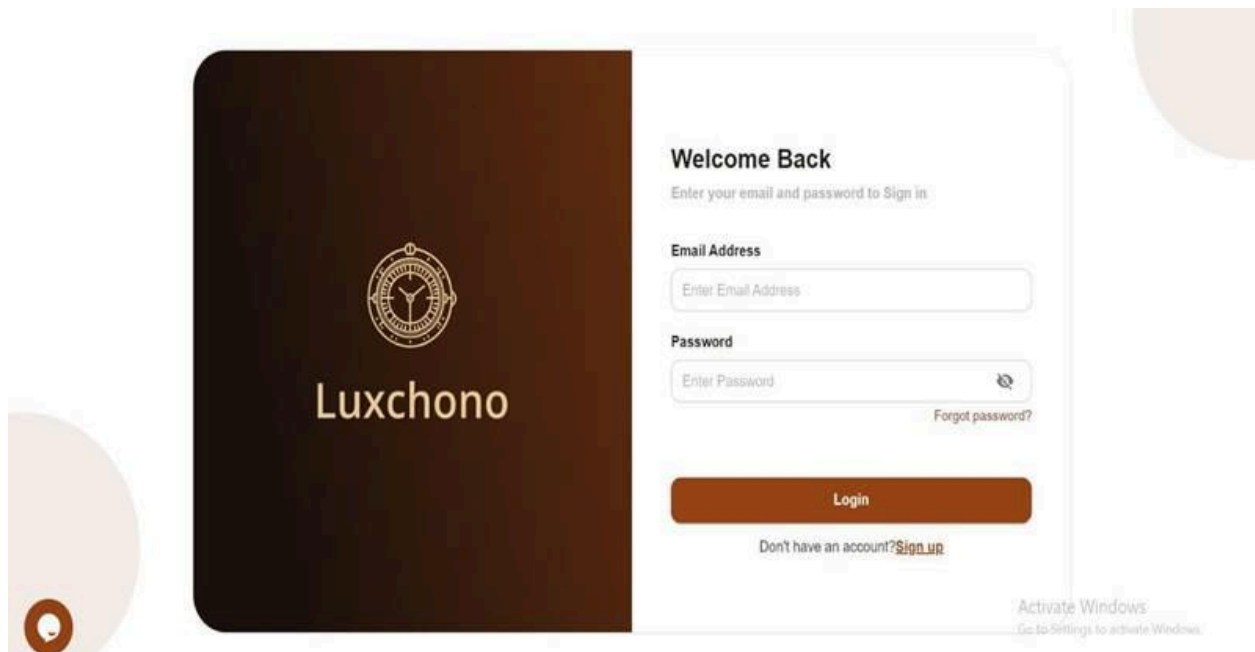
Password
Enter Password

Sign Up

Already have an account? [Sign in](#)

Activate Windows
Go to Settings to activate Windows.

User Login



The login form is presented on a dark brown background with the Luxchono logo and name. The form is white and titled 'Welcome Back'. It includes input fields for Email Address and Password, a 'Login' button, a 'Forgot password?' link, and a link to 'Sign up' for new users. A Windows activation watermark is visible in the bottom right corner.

Welcome Back
Enter your email and password to Sign in

Email Address
Enter Email Address

Password
Enter Password


[Forgot password?](#)




Login


Don't have an account? [Sign up](#)

Activate Windows
Go to Settings to activate Windows.

Home Page

Luxchono


[HOME](#)[PRODUCTS](#)[ORDER](#)[NOTIFICATION](#)[PROFILE](#)[LOGOUT](#)



RADO


SWITZERLAND

Ture Square Automatic
Open Heart




Popular Watches


[View All](#)




1,397 ₹ 4,998 ₹
30% off ★ 0.0
Men Watch
Co-Axial Chronometer
Brand's **Omega**




4,549 ₹ 6,899 ₹
34% off ★ 0.0
Female Watch
H. Moser & Cie. Streamliner
Brand's **Bell & Ross**




3,000 ₹ 6,000 ₹
50% off ★ 0.0
Men Watch
Seven Friday Fashion Watch
Brand's **Seven Friday**




9,999 ₹ 16,995 ₹
37% off ★ 0.0
Female,All Watch
iwatch Series 9
Brand's **Apple**




4,549 ₹ 6,899 ₹
34% off ★ 0.0
All Watch
H. Moser & Cie. Streamliner
Brand's **Bell & Ross**



3,499 ₹ 4,999 ₹
30% off ★ 0.0
Couple Watch
hamilton GHD
Brand's **Breitling**




5,200 ₹ 6,999 ₹
25% off ★ 0.0
Kids Watch
Silver Black 1858
Brand's **Montblanc**






1,200 ₹ 1,500 ₹
20% off ★ 0.0
Men Watch
CARRERA
Brand's **Tag Heuer**









Footer Page


 Luxchono


HOMEPRODUCTSORDERNOTIFICATIONPROFILELOGOUT





Official Partners




100% ORIGINAL

FREE SHIPPING

Full Warranty

7-Day Replacement

Subscribe To Our Email Alerts!



Customer Services

Payment Options

Track Order

Encircle Program

Why Buy Direct

Bulk Orders

Warranty & Support

Contact Us

+91 8780529184

luxchono@gmail.com





Help & Contact

FAQs


Policies

privacy-policy

Let's Get Social




Product Page

 Luxchono


HOMEPRODUCTSORDERNOTIFICATIONPROFILELOGOUT

Search


SearchFilter By




3,199 ₹ 3,999 ₹
20% off ★ 0.0
Men Watch
A. Lange & Söhne Odysseus 363.179
Brand's A. Lange




9,999 ₹ 15,995 ₹
37% off ★ 0.0
Female, All Watch
Apple Watch Series 9
Brand's Apple




4,549 ₹ 6,899 ₹
34% off ★ 0.0
Female Watch
H. Moser & Cie. Streamliner
Brand's Bell & Ross




3,499 ₹ 4,999 ₹
30% off ★ 0.0
Couple Watch
Hamilton GHD
Brand's Breitling




5,999 ₹ 11,999 ₹
50% off ★ 0.0
Men Watch
ALPINE EAGLE
Brand's Chopard




7,891 ₹ 8,960 ₹
11% off ★ 0.0
Men Watch
Big Pilot's Watch 43
Brand's IWC




4,549 ₹ 6,899 ₹
34% off ★ 0.0
All Watch
H. Moser & Cie. Streamliner
Brand's Bell & Ross




3,000 ₹ 6,000 ₹
50% off ★ 0.0
Men Watch
Seven Friday Fashion Watch
Brand's Seven Friday




5,200 ₹ 6,999 ₹
25% off ★ 0.0
Kids Watch
Silver Black 1858
Brand's Montblanc



8,799 ₹ 40,999 ₹
19% off ★ 0.0
Couple Watch
BALANCE WHEEL OPENWORKED
Brand's Audemars Piguet

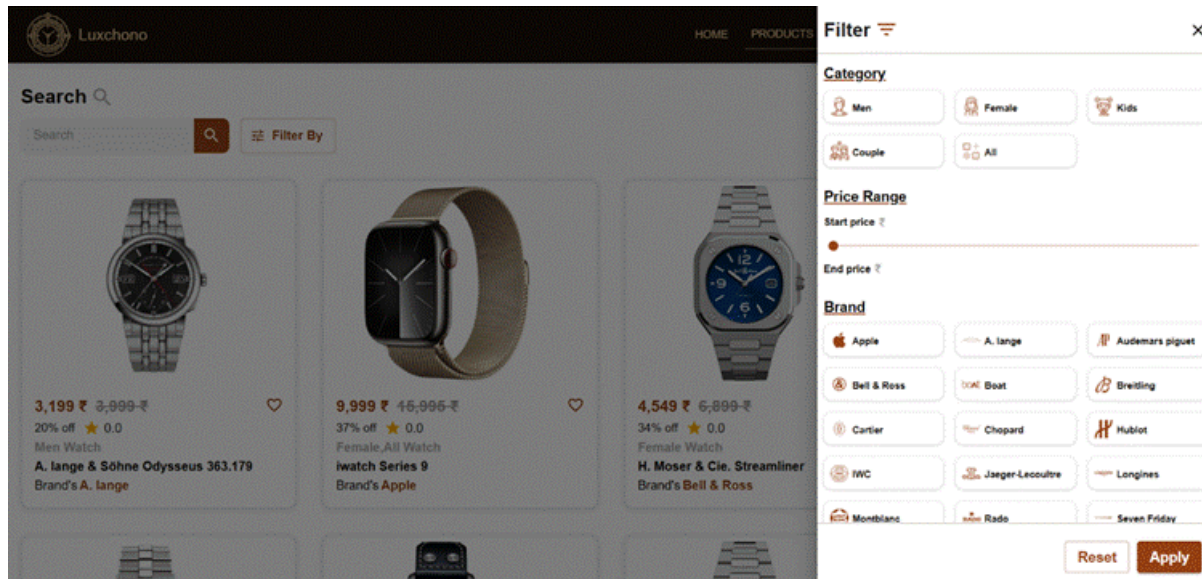


1,200 ₹ 4,500 ₹
20% off ★ 0.0
Men Watch
CARRERA
Brand's Tag Heuer

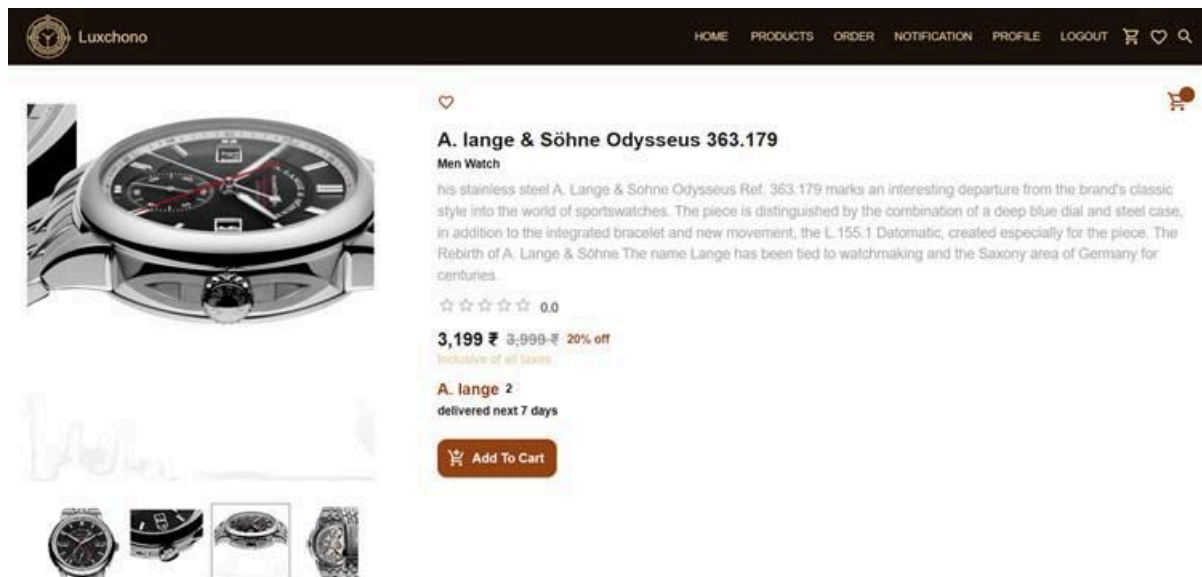


1,397 ₹ 4,998 ₹
30% off ★ 0.0
Men Watch
Co-Axial Chronometer
Brand's Omega

Product Filter

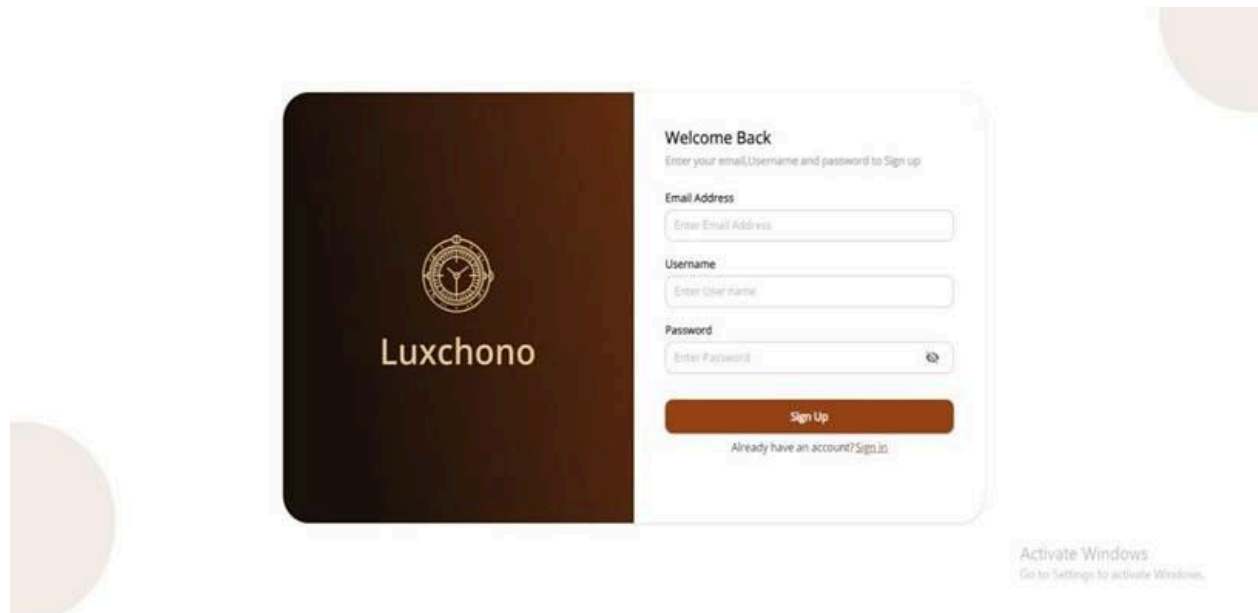


Product Detail

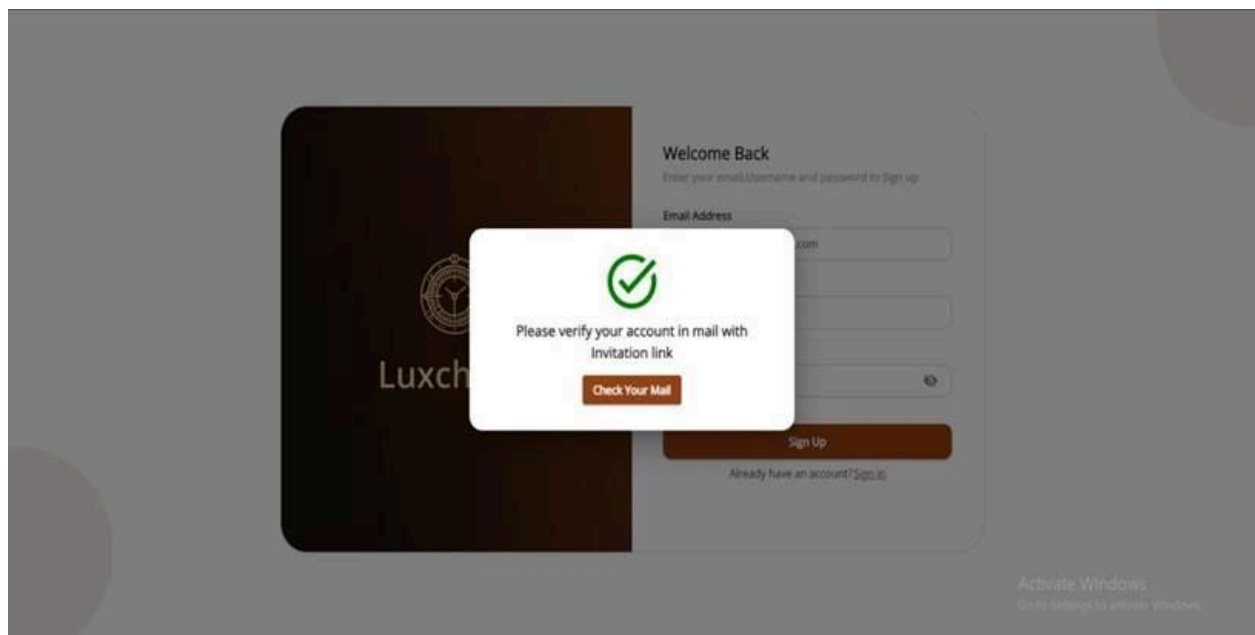


Admin Side

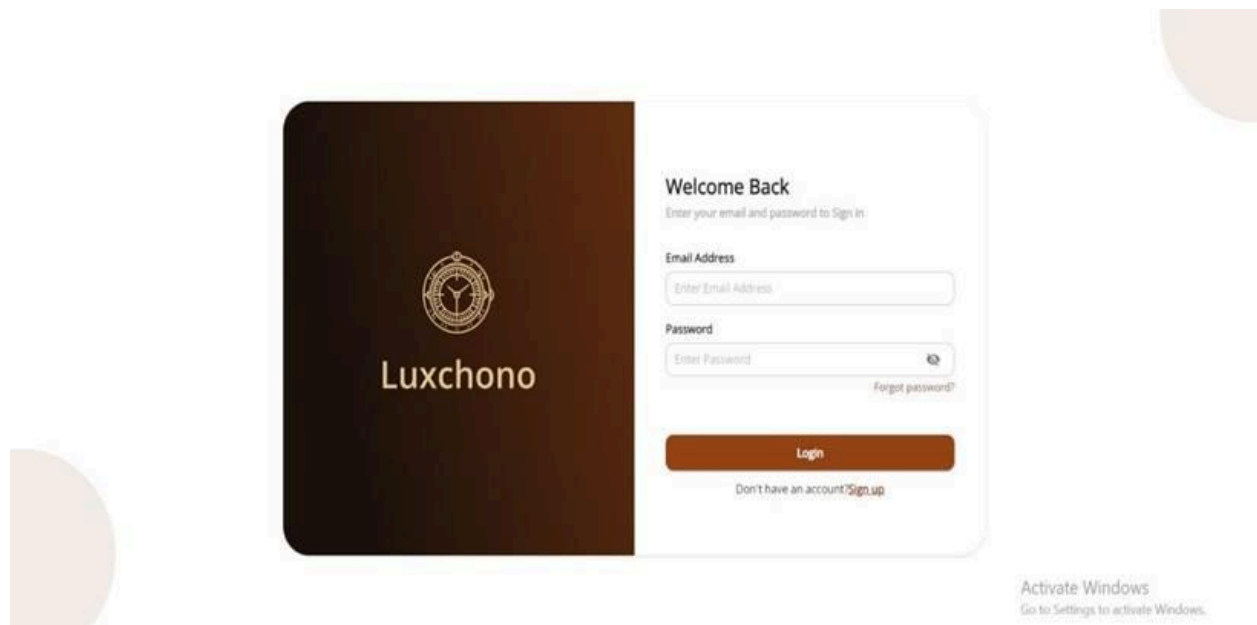
Admin Registration




Email verification



Admin Login



Product Module

 **Luxchono**

Dashboard

Product

Order

Category

Brand

Customer

Profile











Logout

Product


Export (12) Product Available

Add Product

Search Product

PRODUCT NAME	CATEGORY	BRAND	PRICE	STOCK	MODEL	WARRANTY	DUMMY PRICE
<input type="checkbox"/>  A. Lange & Söhne Odysseus 363.179 ✓	Men	A. Lange	3,199 ₹	2	Söhne Odysseus 363.179	2	3,999 ₹
<input type="checkbox"/>  Iwatch Series 9 ✓	Female - All	Apple	9,999 ₹	34	Iwatch Series 9	2 years	15,995 ₹
<input type="checkbox"/>  H. Moser & Cie. Streamliner ✓	Female	Bell & Ross	4,549 ₹	10	H. Moser & Cie. Streamliner	10 months	6,899 ₹
<input type="checkbox"/>  Hamilton GHD ✓	Couple	Breitling	3,499 ₹	7	Hamilton GHD	8 months	4,999 ₹
<input type="checkbox"/>  ALPINE EAGLE ✓	Men	Chopard	5,999 ₹	92	ALPINE EAGLE	2 years	11,999 ₹
<input type="checkbox"/>  Big Pilot's Watch 43 ✓	Men	IWC	7,891 ₹	12	Big Pilot's Watch 43	3 years	8,960 ₹
<input type="checkbox"/>  H. Moser & Cie. Streamliner ✓	All	Bell & Ross	4,549 ₹	49	H. Moser & Cie. Streamliner	10 months	6,899 ₹
<input type="checkbox"/>  Seven Friday Fashion Watch ✓	Men	Seven Friday	3,000 ₹	37	Seven Friday Fashion Watch	3 years	6,000 ₹
<input type="checkbox"/>  Silver Black 1858 ✓	Kids	Montblanc	5,200 ₹	5	Silver Black 1858	5 years	6,999 ₹
<input type="checkbox"/>  BALANCE WHEEL OPENWORKED ✓	Couple	Audemars piguet	8,799 ₹	5	BALANCE WHEEL OPENWORKED	18 months	10,899 ₹

Order Module

Luxchono

Dashboard

Product

Order

Category

Brand

Customer

Profile

Logout

Order


hardika

Export (02) Order Available

ORDER ID	EMAIL	CREATE ON	PAYMENTAMOUNT	STATUS
#0d7f2589	hardikabhesara@gmail.com	Mar 11, 2025 at 07:11 PM	3,199 ₹	Completed
#db8332e7	hardikabhesara@gmail.com	Mar 11, 2025 at 12:15 PM	13,498 ₹	Out Of Delivery

Rows per page: 10 1-2 of 2

Category Module

Luxchono

Dashboard

Product

Order

Category

Brand

Customer

Profile

Logout

Category

hardika

Export (05) Category Available Add Category

Search Category

CATEGORY NAME
Men
Female
Kids
Couple
All

Rows per page: 10 1-5 of 5

Brand Module

The screenshot shows the 'Brand' module in the Luxchono system. The left sidebar contains navigation links: Dashboard, Product, Order, Category, Brand (highlighted), Customer, and Profile. At the bottom of the sidebar is a 'Logout' button. The main content area is titled 'Brand' and features an 'Export' button, a status indicator '(19) Brand Available', and an 'Add Brand' button. Below these is a search bar labeled 'Search Brand'. A table lists various brands, each with a checkbox, a brand logo, the brand name, and edit/delete icons. The brands listed are Apple, A. lange, Audemars piguet, Bell & Ross, Boat, Breitling, Cartier, Chopard, Hublot, and IWC.

<input type="checkbox"/>	BRAND NAME		
<input type="checkbox"/>	Apple		
<input type="checkbox"/>	A. lange		
<input type="checkbox"/>	Audemars piguet		
<input type="checkbox"/>	Bell & Ross		
<input type="checkbox"/>	Boat		
<input type="checkbox"/>	Breitling		
<input type="checkbox"/>	Cartier		
<input type="checkbox"/>	Chopard		
<input type="checkbox"/>	Hublot		
<input type="checkbox"/>	IWC		

Admin Profile

The screenshot shows the 'Profile' module in the Luxchono system. The left sidebar contains navigation links: Dashboard, Product, Order, Category, Brand, Customer, and Profile (highlighted). At the bottom of the sidebar is a 'Logout' button. The main content area is titled 'Profile' and features a 'CHANGE PASSWORD' button. A form titled 'Change Password' contains two input fields: 'Current Password' and 'New Password', each with a placeholder text 'Enter Password' and a toggle icon. A 'Change Password' button is located below the input fields.

Change Password

Current Password


Enter Password

New Password

Enter New Password

Change Password

Add Product Module

Luxchono

Dashboard

Product

Order

Category

Brand

Customer

Profile

Logout

Product

Add Product

Save

Image :-

Thumbnail :-

Category :-

Select Category

Brand :-

Select Brand

Name :-

Enter Product Name

Model :-

Enter Product Model

Description :-

Enter Product Description

Stock :-

Enter Product Stock

Price :-

Enter Product Price

Dummy Price :-

Enter Product Dummy Price

Warranty :-

Enter Product Warranty

Active :-

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