

EventNest is a one stop solution designed to streamline the process of organizing events by bringing together various service providers under one digital roof. The platform allows **event management companies, rental stores, photography agencies, card printers, and caterers** to register and showcase their services, making it easier for customers to plan and execute their events effortlessly.

How It Works

1. **Sign up and log in:** Customers can register using the sign-up feature to enter the website and later log in to the same page they left before as it is.
2. **Customer Browsing & Selection:** Consumers seeking to plan an event can browse a variety of categories (event management, rentals, photography, catering, and printing) to consider the possibilities that are available. There is a drop-down menu for services (Event manager, photographer, caterers, printers) and store-items (decor items,
3. **Search & Filtering:** Users can search for specific services and filter results based on location, price, rating, and availability.
4. **Service Booking & Cart System:** Customers can add services to a **cart**, book multiple providers in one go, and finalize their event planning within a single platform.
5. **Chat Feature:** Direct communication with service providers enables customers to ask questions, negotiate pricing, and confirm details.
6. **Payment & Confirmation:** Secure payment options ensure smooth transactions, and automated confirmation messages help customers track their bookings.

This hub simplifies event planning by eliminating the need for customers to visit multiple vendors separately, providing a **one-step solution for the entire event planning process**.

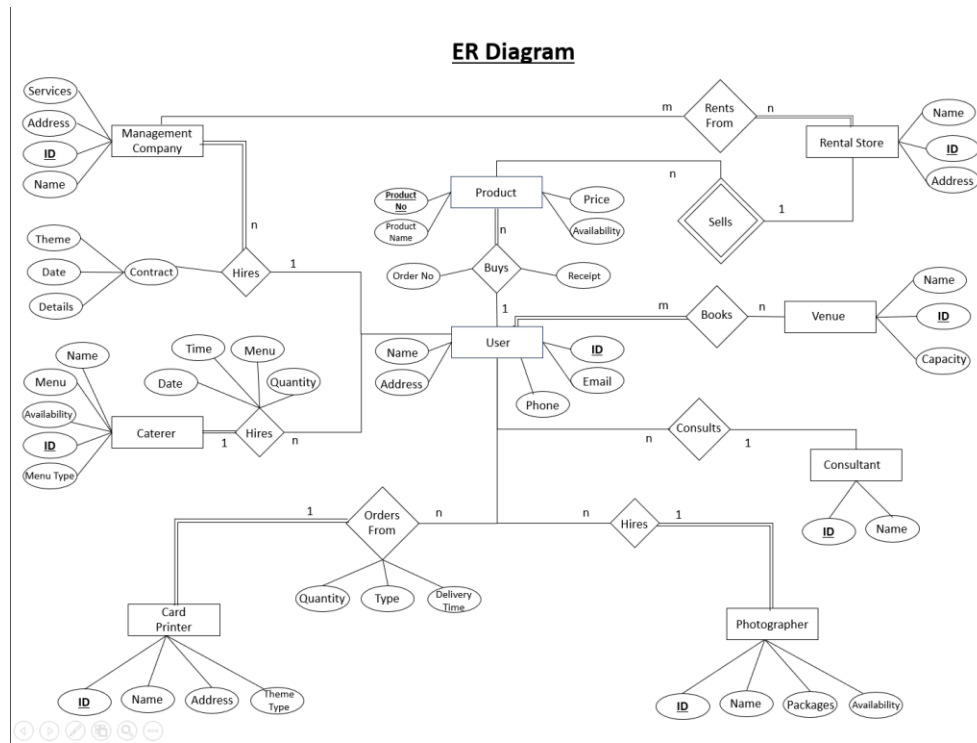
Tools Used

The development of this platform utilizes several technologies to ensure functionality, efficiency, and scalability:

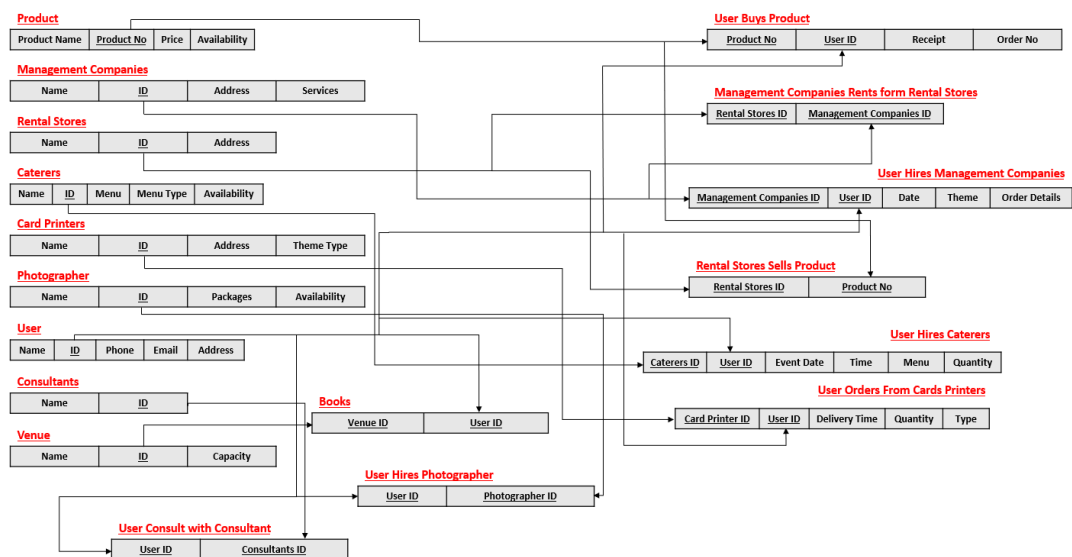
- **Backend:** Django (Python framework) for robust server-side functionality.
- **Database:** MySQL for storing service provider details, customer bookings, user profiles, and transaction history.
- **Frontend:** HTML, CSS, JavaScript, Bootstrap for a user-friendly interface.
- **Hosting & Deployment:** AWS or Heroku (depending on scalability requirements).
- **Communication:** WebSocket-based real-time chat feature.

These tools ensure seamless operation, responsiveness, and a reliable backend to handle user requests.

Workflow of Features

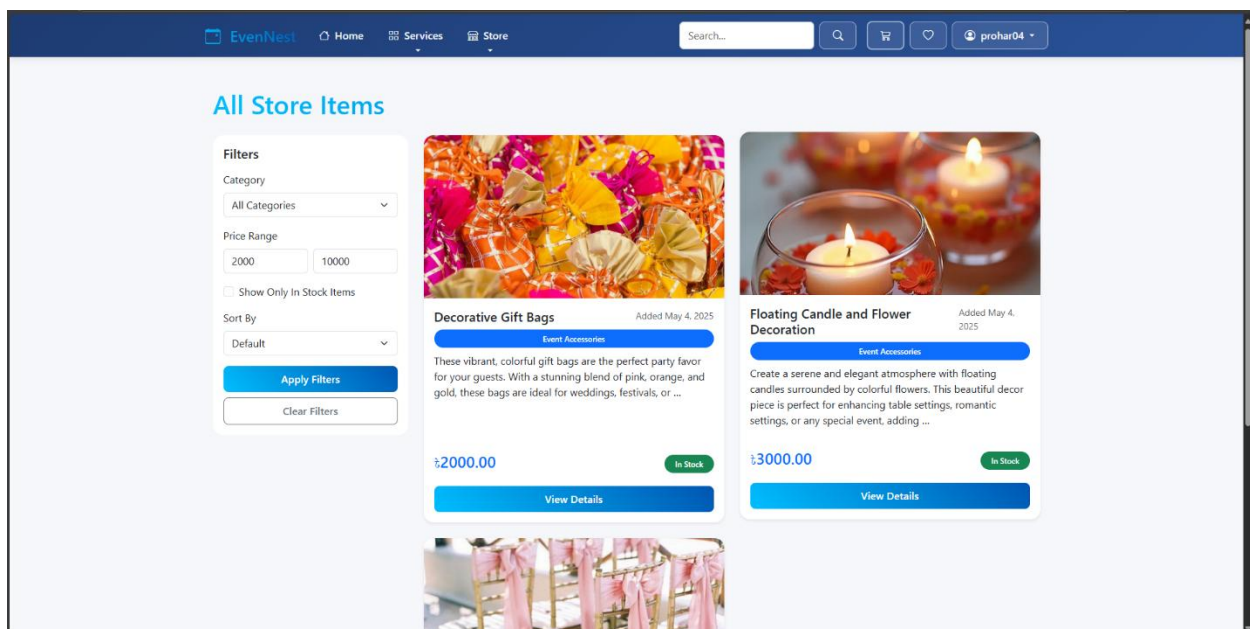
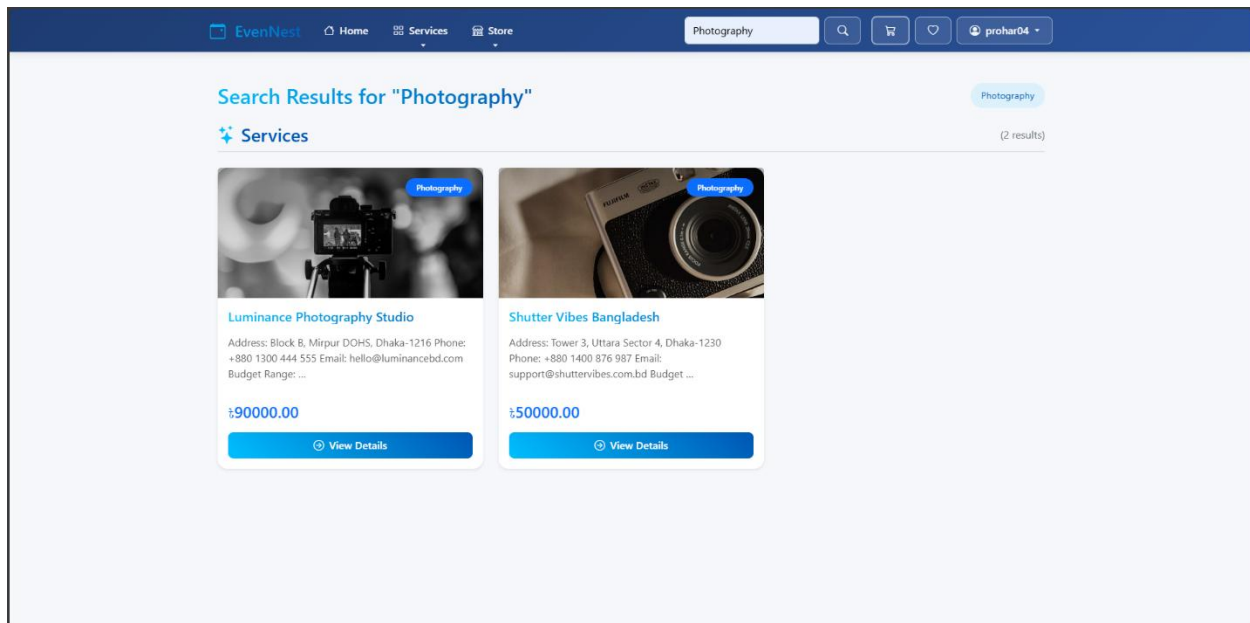


Schema Diagram



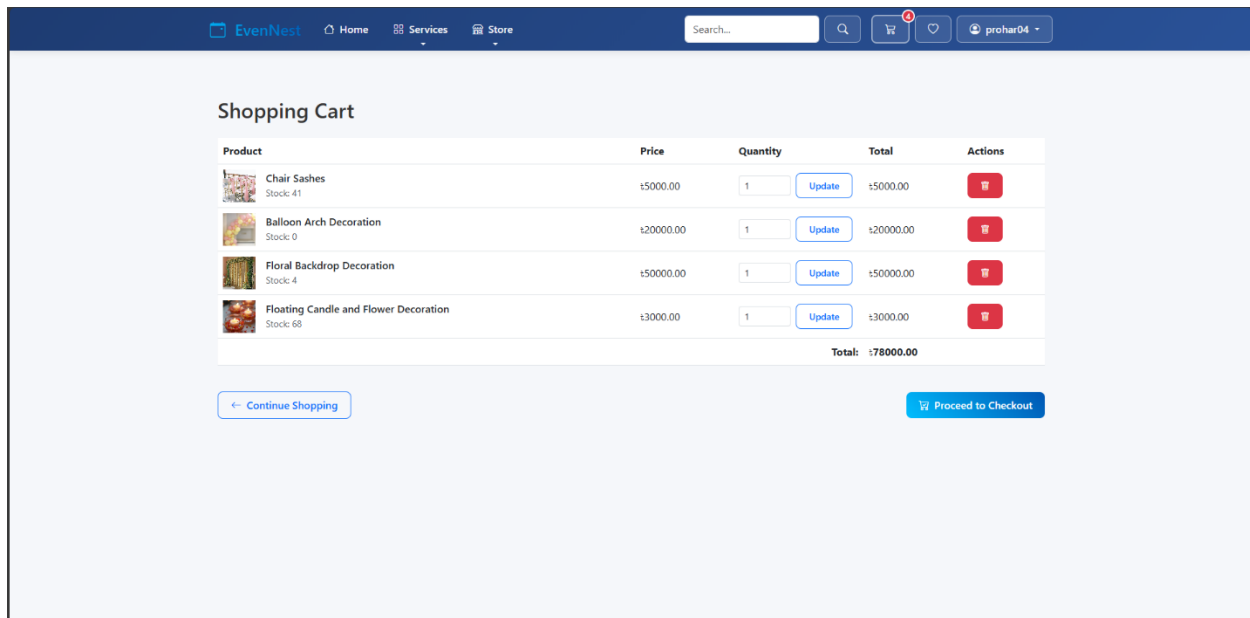
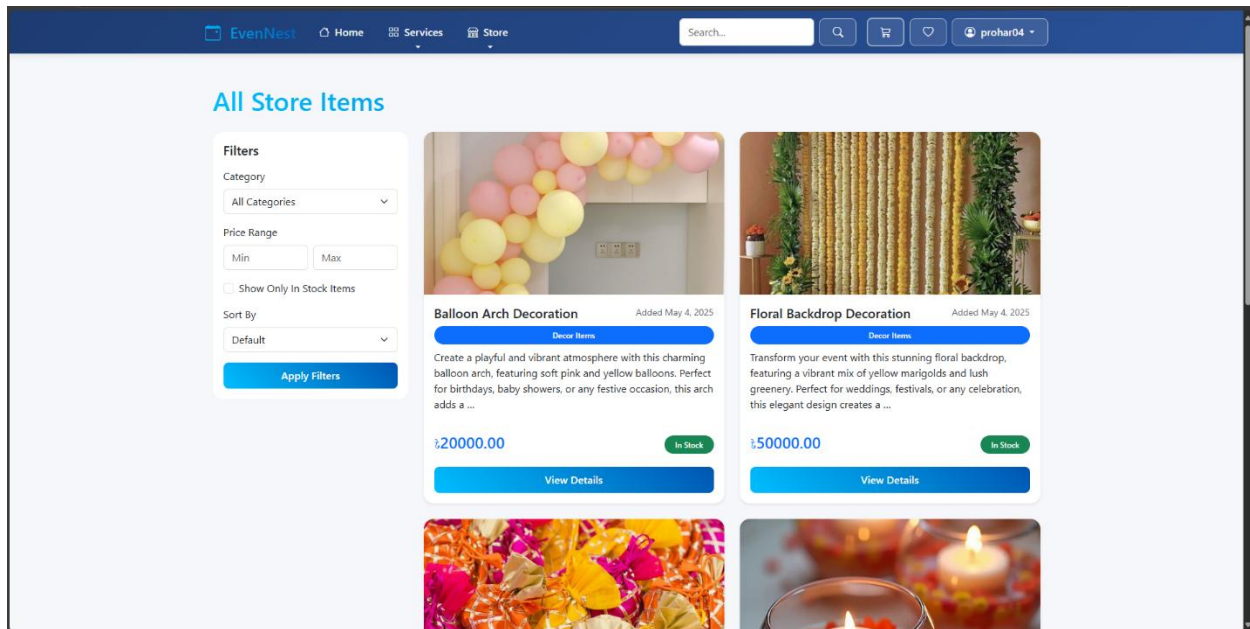
1. Searching & Filtering

- Users enter keywords or service categories.
- Results are filtered based on price, ratings, availability, and location.
- AI-based recommendation systems suggest services based on user preferences.



2. Store & Cart System

- Customers can add multiple services to their **cart**.
- A combined booking process simplifies checkout.
- Order summaries display detailed service descriptions and pricing.



EvenNest

HomeServicesStore

Search...

Q

W

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prohar04

Order History


Order #9

Placed on May 12, 2025 at 9:32 AM

Reading

Total Amount: ₳4000.00

Shipping Address:
Badda, Dhaka

Item	Price	Quantity	Total	Actions
 Decorative Gift Bags Event Accessories	₳2000.00	2	₳4000.00	Buy Again Add to Wishlist
Total: ₳4000.00				


Order #8

Placed on May 8, 2025 at 4:08 AM

Reading

Total Amount: ₳3000.00

Shipping Address:
Badda, Dhaka

Item	Price	Quantity	Total	Actions
 Floating Candle and Flower Decoration Event Accessories	₳3000.00	1	₳3000.00	Buy Again Add to Wishlist
Total: ₳3000.00				

Order #7

Placed on May 8, 2025 at 4:04 AM

Reading

EvenNest

HomeServicesStore

Search...

Q





W

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Checkout

Order Summary

Product	Quantity	Price	Total
 Chair Sashes	1	₳5000.00	₳5000.00
 Balloon Arch Decoration <small>Only 0 available</small>	1	₳20000.00	₳20000.00
 Floral Backdrop Decoration	1	₳50000.00	₳50000.00
 Floating Candle and Flower Decoration	1	₳3000.00	₳3000.00
Total: ₳78000.00			

Shipping Information

Name:
Prohor Saha

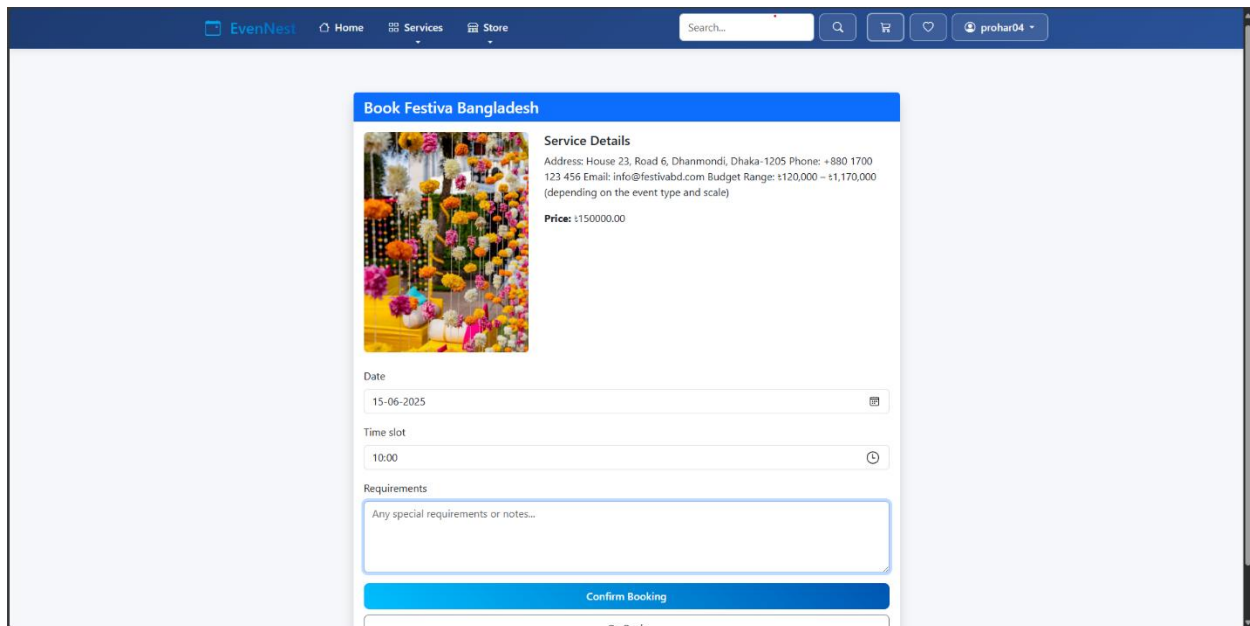
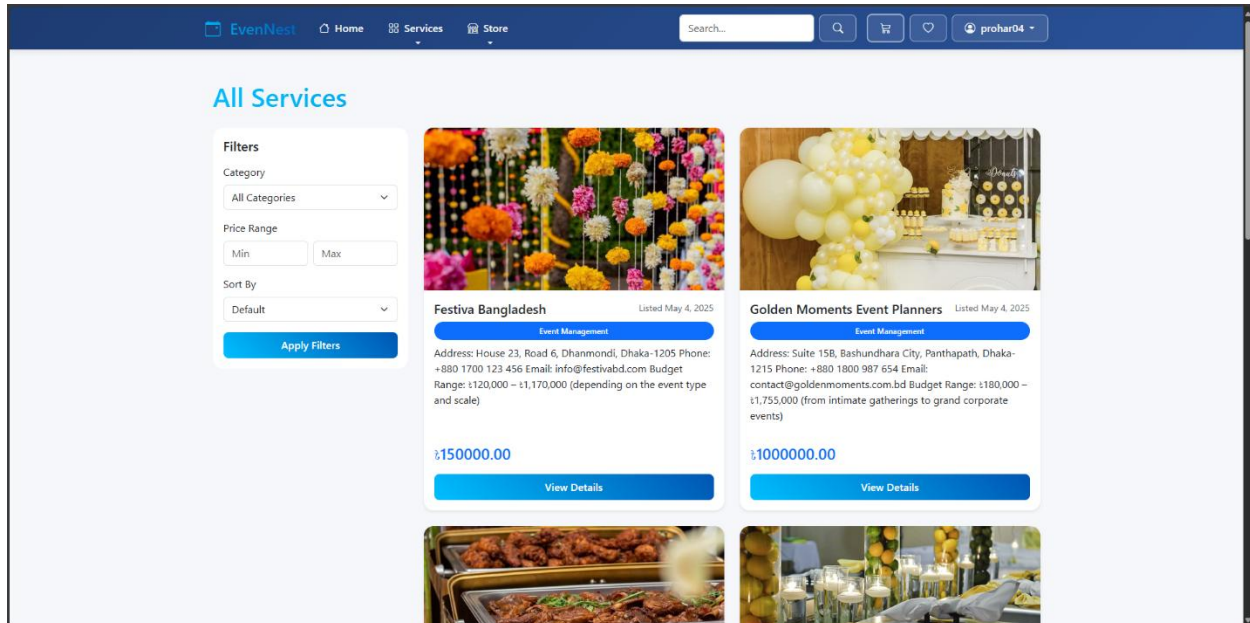
Phone:
+8801646745640

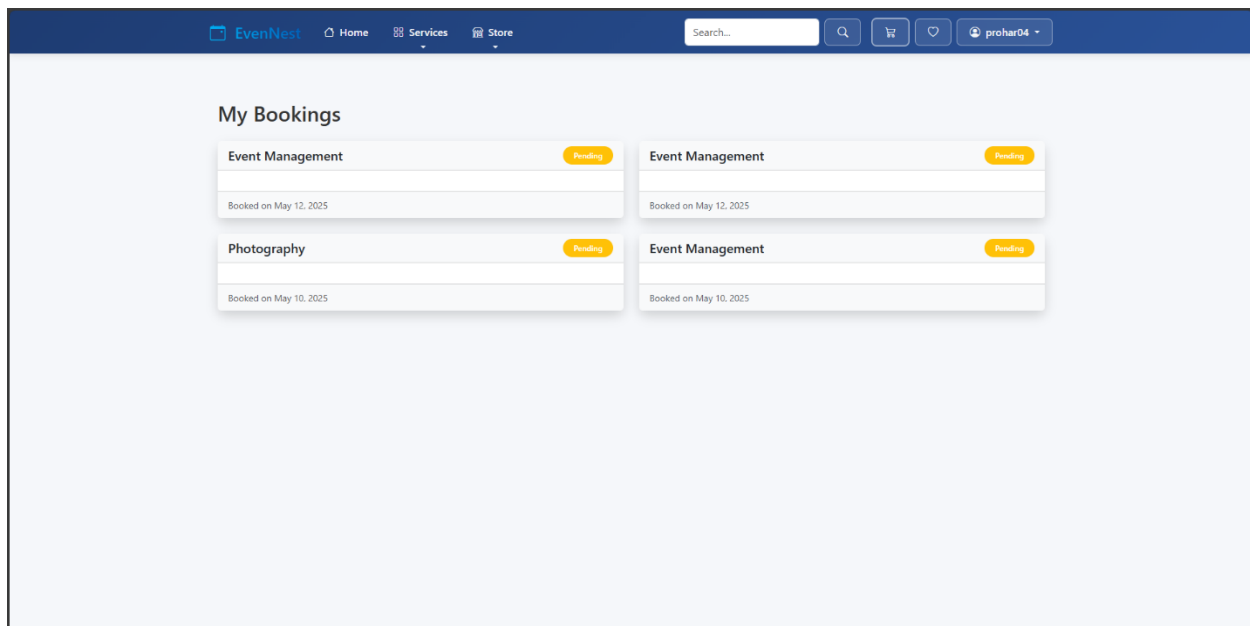
Shipping Address:
Badda, Dhaka

[Place Order](#)

3. Service Booking & Management

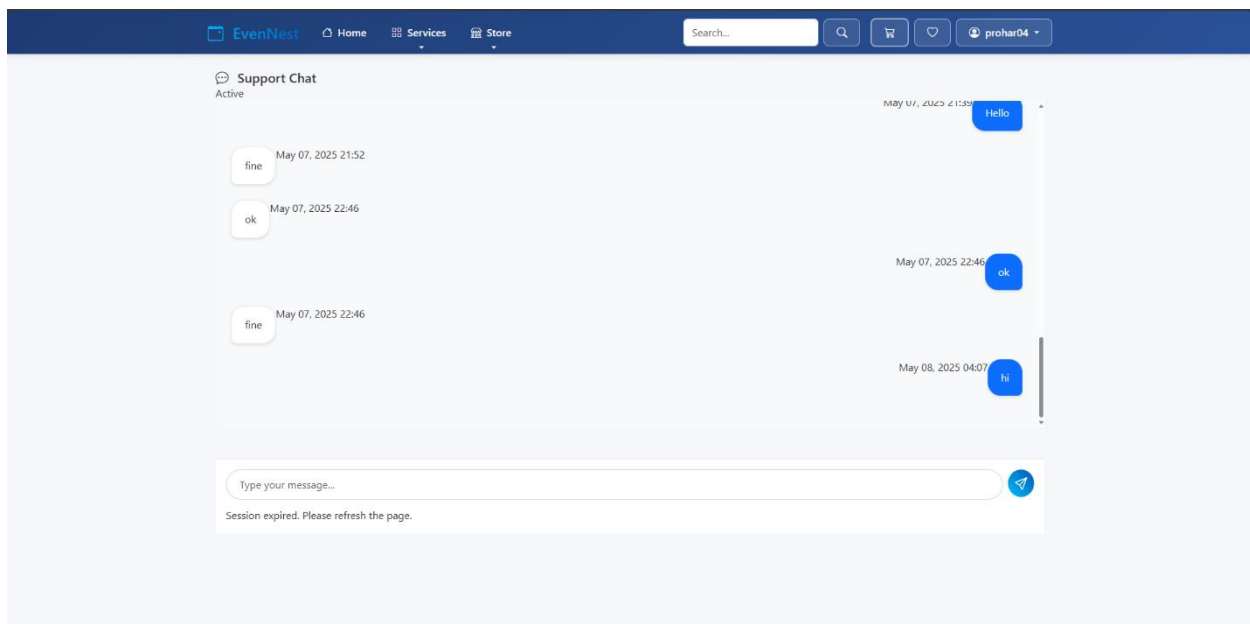
- Once services are booked, vendors receive automated notifications.
- Customers receive real-time updates on service confirmations.



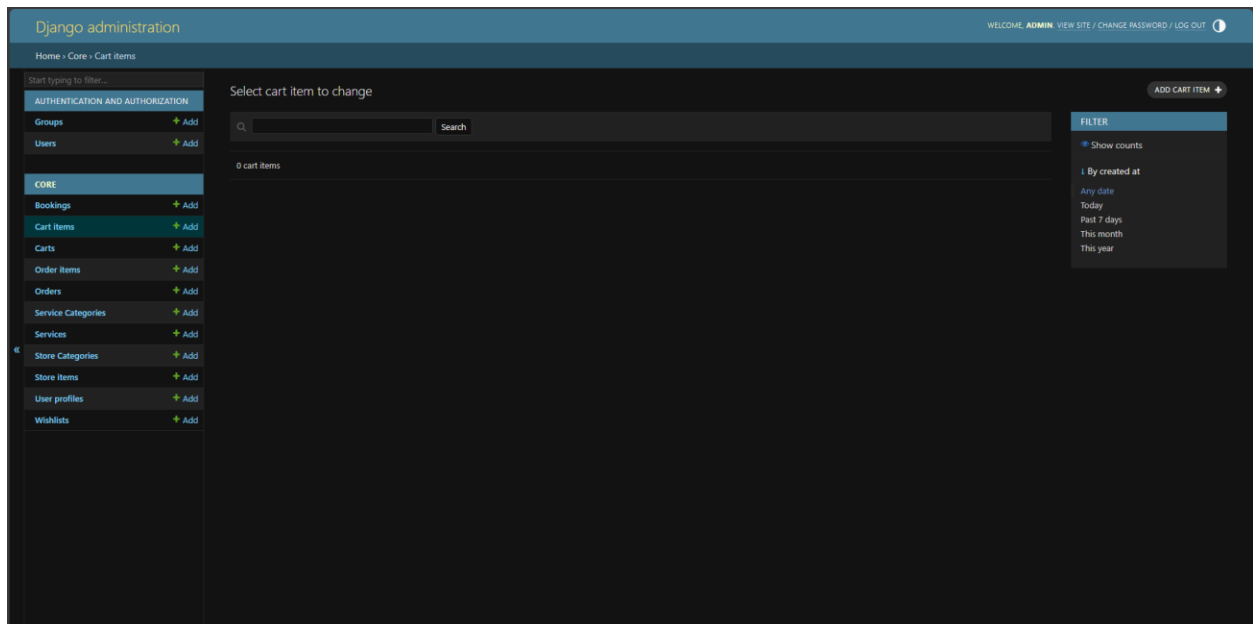
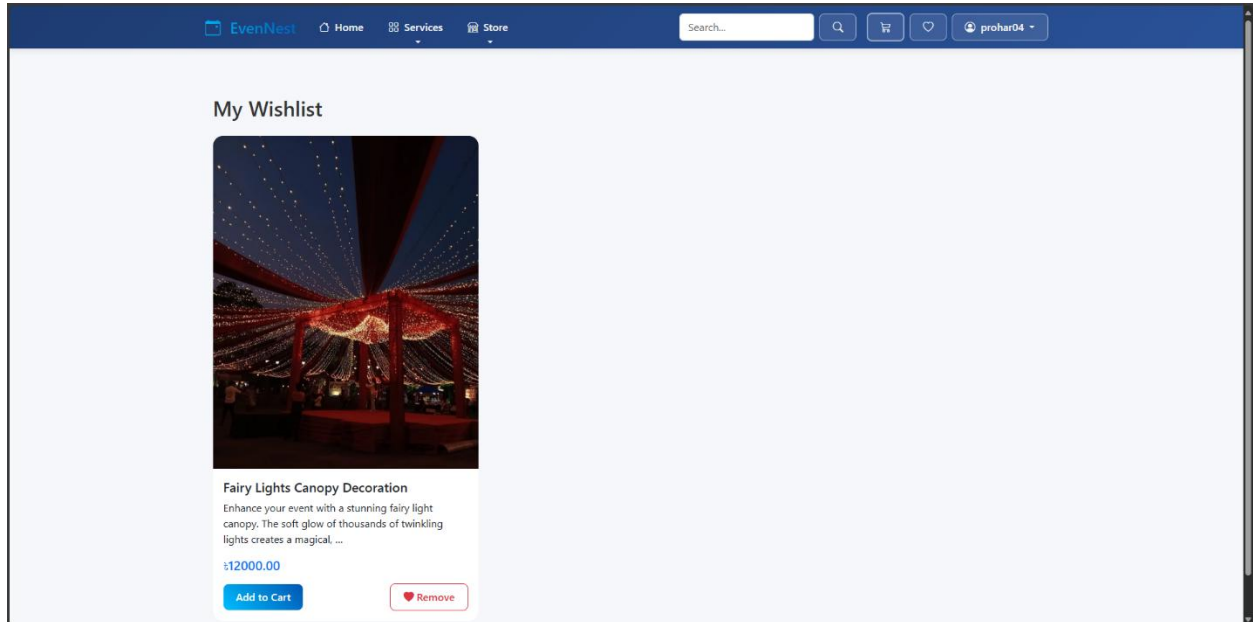


4. Customer-Provider Chat System

- Built-in **chat feature** allows direct communication between customers and vendors.
- Customers can negotiate details, clarify queries, and finalize bookings.
- Chat logs ensure transparency between parties.



5. Extra Feature (Wish list and Admin Panel)



Contributions

1. Siffat Ara Naina (23101294): Front end, Searching and Filtering Feature
2. Naila Nafisa Lamia (24241291): Services- Event management, Photography, Catering, Card picker; Store and Store Items.
3. Prohar Saha Polak (22201721): Cart System, Messaging System, Wishlist and Admin Panel.

Conclusion

We had to solve issues with booking failings for a specific service, improve the chat feature, which at first needed frequent refreshes to work properly, combine WebSocket for real-time messaging, and make sure the cart system kept their correct stock updates while creating our Event Management Hub. We faced problems while creating the navigation bar as well. Overcoming these challenges enhanced our ability to solve problems and enhanced the platform's functionality.