

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**.

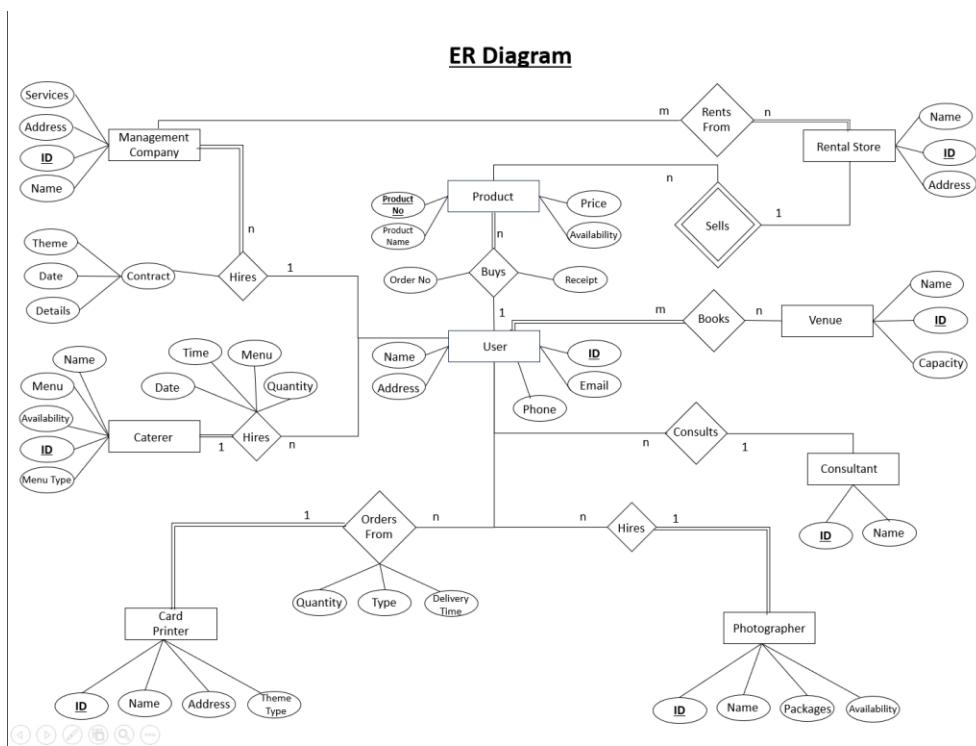
Tools Used

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

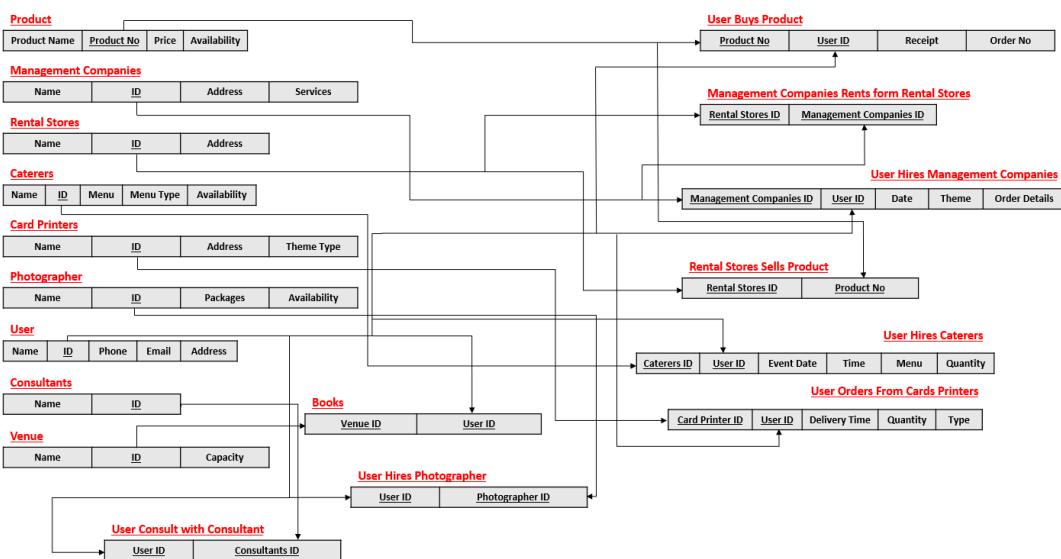
- **Backend:** Django (Python framework) for robust server-side functionality.
- **Database:** MySQL for storing service provider details, customer bookings, user profiles, and transaction history.
- **Frontend:** HTML, CSS, JavaScript, Bootstrap for a user-friendly interface.
- **Hosting & Deployment:** 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.

The screenshot shows the EvenNest platform interface. At the top, there's a navigation bar with links for Home, Services, and Store, along with a search bar containing 'Photography' and a user profile icon for 'prohar04'. Below the search bar, the page title is 'Search Results for "Photography"' and it says '(2 results)'. There are two service cards displayed:

- Luminance Photography Studio**: A camera on a tripod. Price: ₹90000.00. Buttons: 'View Details'.
- Shutter Vibes Bangladesh**: A close-up of a camera. Price: ₹50000.00. Buttons: 'View Details'.

The screenshot shows the EvenNest platform interface for the store section. At the top, there's a navigation bar with links for Home, Services, and Store, along with a search bar and a user profile icon for 'prohar04'. Below the search bar, the page title is 'All Store Items'. On the left, there's a sidebar titled 'Filters' with dropdown menus for Category (set to 'All Categories'), Price Range (set to 2000 - 10000), and checkboxes for 'Show Only In Stock Items' and 'Sort By' (set to 'Default'). Buttons include 'Apply Filters' and 'Clear Filters'. The main content area displays two product items:

- Decorative Gift Bags**: Event Accessories. Added May 4, 2025. Price: ₹2000.00. Status: In Stock. Buttons: 'View Details'.
- Floating Candle and Flower Decoration**: Event Accessories. Added May 4, 2025. Price: ₹3000.00. Status: In Stock. Buttons: 'View Details'.

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.

All Store Items

Filters

Category: All Categories

Price Range: Min Max

Show Only In Stock Items

Sort By: Default

Apply Filters

Balloon Arch Decoration Added May 4, 2025

Create a playful and vibrant atmosphere with this charming balloon arch, featuring soft pink and yellow balloons. Perfect for birthdays, baby showers, or any festive occasion, this arch adds a ...

₹20000.00 In Stock

Floral Backdrop Decoration Added May 4, 2025

Transform your event with this stunning floral backdrop, featuring a vibrant mix of yellow marigolds and lush greenery. Perfect for weddings, festivals, or any celebration, this elegant design creates a ...

₹50000.00 In Stock

Chair Sashes Stock: 41

Balloon Arch Decoration Stock: 0

Floral Backdrop Decoration Stock: 4

Floating Candle and Flower Decoration Stock: 68

Shopping Cart

Product	Price	Quantity	Total	Actions
Chair Sashes	₹5000.00	1	₹5000.00	Remove
Balloon Arch Decoration	₹20000.00	1	₹20000.00	Remove
Floral Backdrop Decoration	₹50000.00	1	₹50000.00	Remove
Floating Candle and Flower Decoration	₹3000.00	1	₹3000.00	Remove
Total: ₹78000.00				

[Continue Shopping](#) [Proceed to Checkout](#)

EvenNest Home Services Store Search... Cart Heart User prohar04

Order History

Order #9 Placed on May 12, 2025 at 9:32 AM Billing

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 Billing

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 Billing

EvenNest Home Services Store Search... Cart Heart User prohar04

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.

Festiva Bangladesh Listed May 4, 2025
Event Management
Address: House 23, Road 6, Dhanmondi, Dhaka-1205 Phone: +880 1700 123 456 Email: info@festivabd.com Budget Range: ₩120,000 – ₩1,170,000 (depending on the event type and scale)
Price: ₩150000.00
[View Details](#)

Golden Moments Event Planners Listed May 4, 2025
Event Management
Address: Suite 15B, Bashundhara City, Panthapath, Dhaka-1215 Phone: +880 1800 987 654 Email: contact@goldenmoments.com.bd Budget Range: ₩180,000 – ₩1,755,000 (from intimate gatherings to grand corporate events)
Price: ₩1000000.00
[View Details](#)

Book Festiva Bangladesh

Service Details
Address: House 23, Road 6, Dhanmondi, Dhaka-1205 Phone: +880 1700 123 456 Email: info@festivabd.com Budget Range: ₩120,000 – ₩1,170,000 (depending on the event type and scale)
Price: ₩150000.00

Date: 15-06-2025

Time slot: 10:00

Requirements:
Any special requirements or notes...

[Confirm Booking](#)

The screenshot shows the 'My Bookings' section of the EvenNest platform. At the top, there is a navigation bar with links for Home, Services, Store, and a search bar. On the right, a user profile for 'prohar04' is shown. Below the navigation, the title 'My Bookings' is displayed. Underneath, there are four booking items listed in two columns:

Service	Status
Event Management	Pending
Event Management	Pending
Photography	Pending
Event Management	Pending

Each row includes a note indicating the booking date: 'Booked on May 12, 2025' or 'Booked on May 10, 2025'.

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.

The screenshot shows a support chat interface on the EvenNest platform. The top navigation bar is identical to the previous screenshot. The main area is titled 'Support Chat' with the status 'Active'. A message from the vendor says 'Hello' at 21:52 on May 07, 2025. The customer responds with 'fine' at 22:46 on May 07, 2025. The vendor replies with 'ok' at 22:46 on May 07, 2025. The customer then sends 'hi' at 04:07 on May 08, 2025. At the bottom, there is a message input field with placeholder text 'Type your message...' and a send button icon.

5. Extra Feature (Wish list and Admin Panel)

The screenshot shows a product page titled "My Wishlist". The main image is a photograph of a "Fairy Lights Canopy Decoration" at night, featuring a red frame and many glowing lights. Below the image, the product title is "Fairy Lights Canopy Decoration" and a brief description reads: "Enhance your event with a stunning fairy light canopy. The soft glow of thousands of twinkling lights creates a magical..." The price is listed as "₹12000.00". At the bottom, there are two buttons: "Add to Cart" (blue) and "Remove" (red).

The screenshot shows the Django admin interface for the "Cart items" model. The left sidebar has a "CORE" section with "Cart Items" selected. The main area displays a search bar and a message "Select cart item to change". On the right, there is a "FILTER" sidebar with options like "Show counts", "By created at", and date ranges ("Any date", "Today", "Past 7 days", "This month", "This year").

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.