

Design Document – Event Ticketing System (UI/UX)

1. Overview

- Web-based event ticketing platform for visitors, users, and admins.
- Core flows: browse events, view event details, purchase tickets, manage tickets and payments, manage events/venues/categories, view analytics.

2. Design System

2.1 Color Palette

- Primary: Blue #2563eb (main actions, highlights)
- Primary Hover: #1d4ed8
- Secondary (Success): Emerald #10b981
- Background (Light): #ffffff
- Background (Dark / Optional): #0f172a
- Surface: #f8fafc
- Text Primary: #0f172a
- Text Secondary: #64748b
- Borders: #e2e8f0
- Status: Error #ef4444, Warning #f59e0b, Info #3b82f6

2.2 Typography

- Font family: Inter, system-ui, sans-serif
- H1: 48px, bold
- H2: 36px, bold
- H3: 28px, semibold
- H4: 20px, semibold
- Body: 16px, regular

- **Body Small:** 14px, regular
- **Caption:** 12px, regular

2.3 Layout and Spacing

- **Grid:** 12 columns, 24px gutter, max width 1200–1280px
- **Spacing scale:** 4, 8, 16, 24, 32, 48, 64px
- **Border radius:** 4px (small), 8px (medium), 12px (cards), 16px (large), full (pills)
- **Shadows:** subtle elevation for cards, stronger on hover

2.4 Core Components (Visual Style)

- **Buttons:** solid primary, outline, ghost, danger; rounded 8px; clear hover/disabled states.
- **Inputs:** 1px border, 8px radius, 12–16px padding, blue focus ring, red error border.
- **Cards:** white surface, 12px radius, medium shadow, 24px padding, hover scale and shadow.
- **Badges/Chips:** pill or 8–12px radius, small padding, category/status colors.
- **Navigation:** top bar for public/user; left sidebar for admin.

3. Screen Set – Wireframes and Mockups

3.1 Public (Unauthenticated)

- **Landing / Home**
 - **Hero banner with featured event.**
 - **Global search.**
 - **Category chips row.**
 - **Featured and upcoming event cards.**
- **Events Listing**
 - **Filters (category, date range, venue, price).**
 - **Search and sort.**
 - **Event grid with pagination or load-more.**
- **Event Detail**
 - **Hero image and title.**

- Date, time, venue, category, price, availability.
 - Description section.
 - Ticket purchase panel (quantity, total, CTA).
 - Related events.
- User Registration
 - Form: username, email, password, confirm password.
 - Terms checkbox and error messaging.
- User Login
 - Form: email, password.
- Admin Login
 - Admin-specific login styling and labels.

3.2 User (Authenticated)

- User Dashboard
 - Summary cards (upcoming events, total tickets).
 - Tabs or sections: My Tickets, Payments, Profile.
- My Tickets
 - Tabs: Upcoming, Past, All.
 - Ticket cards with event info, date, status, actions (view/download/cancel if applicable).
 - Ticket detail view with QR/code and event details.
- My Payments
 - Table: payment ID, event, amount, method, date, status, action (view receipt).
 - Filters by date/status.
- Ticket Purchase
 - Event summary.
 - Quantity selector.
 - Price breakdown (subtotal, fees, total).

- **Payment**
 - Order summary.
 - Payment method and card/billing form.
 - Confirmation section for final review.
- **Purchase Confirmation**
 - Success message, order number, event summary, total.
 - Links to view ticket and go to My Tickets.
- **Settings**
 - Profile (username, email, avatar).
 - Security (change password).

3.3 Admin

- **Admin Dashboard**
 - Stat cards (events, tickets sold, revenue, active users).
 - Charts (revenue over time, tickets by category).
 - Recent activity list.
- **Events Management**
 - Events table with filters and search.
 - Columns: name, date, venue, category, tickets sold, status, actions.
 - Event create/edit form: name, date/time, category, venue, description, image, base price, total tickets.
- **Venues Management**
 - Table: name, address, capacity, actions.
 - Venue create/edit form.
- **Categories Management**
 - Table: name, icon, description, actions.
 - Category create/edit form.
- **Tickets Management (Admin)**

- **Table:** ticket ID, user, event, purchase date, status, actions.
- **Payments Management (Admin)**
 - **Table:** payment ID, ticket/event, amount, method, date, status.
 - **Summary totals.**
- **Users/Admins Management**
 - **Users list (basic info, status toggle).**
 - **Admins list (role, status).**
- **Reports & Analytics**
 - **Filters (date range, category, venue).**
 - **Charts and key metrics (top events, revenue by category, user activity).**
 - **Export controls.**

4. Component Library (Visual Definitions)

- **Navigation**
 - **Public/user top navbar:** logo, nav links, auth actions, user menu.
 - **Admin sidebar:** icons + labels, collapsed/expanded states.
- **Event Card**
 - **Image, title, date/time, venue, category badge, price, CTA.**
- **Ticket Card**
 - **Event summary, purchase date, status, ticket ID, actions.**
- **Stat Card**
 - **Icon, label, primary value, delta indicator.**
- **Form Elements**
 - **Text input, password input, select, date picker, textarea, toggle/switch.**
- **Tables**
 - **Header styles, zebra rows, hover states, sort icons, pagination controls.**
- **Feedback**
 - **Toasts/alerts (success, error, info, warning).**

- **Modal/dialog with title, body, primary/secondary actions.**
- **Loaders (spinners), skeleton blocks for cards and rows.**
- **Charts**
 - **Line, bar, pie/area charts using primary/secondary colors.**

5. Interaction, States, and Responsiveness

5.1 States

- **Buttons: default, hover, active, disabled, loading.**
- **Inputs: default, focus, filled, error, disabled.**
- **Lists/tables: loading skeleton, empty state, error state.**
- **Tickets and payments: visual status badges (success, pending, failed, refunded, canceled).**

5.2 Behavior

- **Sticky purchase panel on Event Detail (desktop) and fixed bottom CTA on mobile.**
- **Clear success pages after actions (purchase, event create/edit, profile save).**
- **Confirm dialogs for destructive actions (delete, cancel).**

5.3 Responsiveness

- **Mobile: single-column layouts, stacked content, bottom-fixed CTAs for critical actions.**
- **Tablet: two-column where applicable (filters + list, summary + form).**
- **Desktop: multi-column grids, full sidebar navigation for admin, wide tables and charts.**

EVENT TICKETING SYSTEM WIREFRAME:

<https://www.figma.com/design/fPIX8TWBIFeoPdbCeduW3S/EVENT-TICKETING-SYSTEM?node-id=0-1&t=7UPC0VlgHi4tLWJj-1>