

# Complete List of EventMingle Features

## Core App Features

### 1. Tinder-like Event Discovery

- Swipe interface for events
- Event card profiles with details and images
- Matching algorithm based on preferences
- "Accept" and "Decline" swipe actions
- Personal event recommendations
- Discovery preferences settings

### 2. Enhanced Chat System

- Categorized contacts (friends, matches, events)
- Chat search functionality
- Real-time messaging
- Typing indicators
- Read receipts
- Message history
- Voice messages
- File and image sharing
- Group chats for events
- Chat filtering and sorting

### 3. Contact Invitation System

- Phone contacts integration
- Bulk invitation functionality
- Contact filtering and search
- Custom invitation messages
- Invitation tracking
- Social media sharing options
- QR code invitation generation
- Invitation reminder system
- Referral bonuses for invitations

### 4. Cost Splitting

- Split event costs among participants

- Send payment requests
- Payment tracking
- Cost calculation and division
- Split history
- Accept/decline split requests
- Multiple payment method support
- Receipt scanning and itemization
- Custom split ratios (not just equal)
- Expense categories and tagging

## **5. Calendar Integration**

- Google Calendar synchronization
- Apple Calendar synchronization
- ICS file generation for other calendars
- Event reminders and notifications
- Calendar view of upcoming events
- Custom reminder settings
- Recurring event support
- Schedule conflict detection
- Time zone adjustment

# Social Features

## **6. User Profiles**

- Demographic information
- Interests and preferences
- Profile images
- Event history
- Connection history
- Bio and personal description
- Social media link integration
- Profile verification badges
- Custom privacy settings
- Profile completion coaching

## **7. Matchmaking System**

- AI-powered matching algorithm
- Preference-based recommendations
- Location-based suggestions
- Interest alignment scoring
- Match history
- Personality compatibility assessment

- Event preference learning
- Social circle analysis
- Match quality feedback
- Seasonal event matching

## **8. Social Authentication**

- Multiple login options
- Secure authentication
- Cross-platform profile syncing
- Account recovery options
- Two-factor authentication
- Biometric login support
- Social media account linking
- Single sign-on capabilities
- Device management
- Suspicious activity alerts

# Event Management Features

## **9. Event Creation and Management**

- Create custom events
- Invite friends to events
- Track RSVPs
- Event editing and updates
- Event cancellation
- Event templates
- Privacy controls (public, private, invite-only)
- Event co-hosts
- Event capacity limits
- Waiting list functionality
- Custom event access codes
- Event duplication
- Event series creation

## **10. Location Services**

- Location-based event discovery
- Map integration for event venues
- Distance calculation
- Directions to events
- Public transit information
- Parking availability
- Venue accessibility details

- Nearby points of interest
- Real-time location sharing during events
- Location-based check-in
- Geofencing for event-specific features

#### **11. Event Categories and Filtering**

- Multiple event types
- Category-based filtering
- Custom event tags
- Favorite event types
- Age-appropriate filtering
- Price range filtering
- Date and time filtering
- Distance-based filtering
- Popularity sorting
- Friend attendance filtering
- Advanced search capabilities
- Saved search preferences

## Platform Integration Features

#### **12. Integration with Event Manager**

- Data synchronization
- Cross-platform visibility
- Unified user accounts
- Real-time updates
- Bi-directional event publishing
- User role mapping between platforms
- Shared notification system
- Integrated ticket management
- Cross-platform reporting
- Joint marketing campaigns
- Synchronized calendars
- Vendor access management

#### **13. Master Dashboard Access**

- Access to unified platform controls
- Seamless transitions between systems
- Integrated view of all data
- Cross-platform analytics
- Combined user management
- Global configuration settings

- Comprehensive audit logging
- System health monitoring
- Maintenance mode controls
- Data backup and restore
- Security policy management

# Technical Features

## 14. Mobile-First Design

- Responsive interface
- Touch-optimized controls
- Native-like experience
- Cross-device compatibility
- Progressive web app capability
- Device-specific optimizations
- Adaptive layouts
- Dark/light theme support
- Accessibility features
- Custom animation and transitions
- Gesture controls
- Screen reader support

## 15. Real-time Notifications

- Push notifications
- Event alerts
- Chat notifications
- Cost split requests
- Friend activity updates
- Custom notification preferences
- Silent hours settings
- Notification grouping
- Priority notifications
- Location-based alerts
- Rich media notifications
- Interactive notification actions

## 16. Offline Capabilities

- Data caching
- Pending action queue
- Sync when online
- Conflict resolution
- Background synchronization

- Offline event browsing
- Cached chat history
- Low-bandwidth mode
- Storage management
- Version control for offline changes

## **17. Security Features**

- End-to-end encrypted chats
- Secure payment handling
- Privacy controls
- Age verification (18+ requirement)
- Multi-factor authentication
- Biometric verification
- Session management
- Device authorization
- Data encryption at rest
- Privacy policy enforcement
- GDPR compliance tools
- Account activity monitoring

## **18. Performance Optimization**

- Dynamic resource loading
- Image lazy loading
- Code splitting
- Caching strategies
- CDN integration
- Database query optimization
- Memory management
- Battery usage optimization
- Network usage monitoring
- Automatic scaling

## **19. Voice and Video Features**

- One-on-one video calls
- Group video conferencing
- Voice messaging
- Screen sharing
- Background blur
- Call recording (with consent)
- Bandwidth adaptation
- Push-to-talk functionality
- Noise cancellation
- Live event streaming

## 20. Content Management

- Event photo galleries
- User-generated content moderation
- Content recommendation engine
- Media compression
- Automated tagging
- Content flagging system
- Version history
- Collaborative editing
- Rich text formatting
- Media organization tools

# Code Architecture and Implementation

## 21. Core Framework Components

- MVC architectural pattern
- Component-based UI structure
- Service-oriented backend
- RESTful API design
- WebSocket implementation for real-time features
- JWT authentication
- OAuth 2.0 integration
- Lazy-loading module system
- Custom event bus for communication
- Dependency injection container

## 22. Frontend Technologies

- React/React Native for UI components
- Redux for state management
- TailwindCSS for styling
- Framer Motion for animations
- Axios for API requests
- Socket.io for real-time communication
- LocalForage for offline storage
- React Hook Form for form handling
- SWR for data fetching and caching
- React Query for server state management

## 23. Backend Technologies

- Node.js for server runtime
- Express.js for API framework

- PostgreSQL for primary database
- Redis for caching and real-time features
- Drizzle ORM for database interactions
- TypeScript for type safety
- Jest for testing
- Stripe for payment processing
- AWS S3 for media storage
- Firebase for notifications

## **24. Integration Technologies**

- GraphQL for flexible data queries
- REST APIs for third-party integrations
- Webhook system for event triggers
- Microservices architecture
- Message queue for asynchronous processing
- ETL pipelines for data synchronization
- OAuth 2.0 for service authentication
- API gateways for unified access
- Custom data bridge adapters
- Real-time data synchronization