Peer-to-Peer Gifting Platform - Class Diagram

Admin

+manageRetailPartners() : : void
+resolveUserIssues() : : void
+managePlatform() : : void
+monitorSecurity() : : void

resolves issues   *manages*

User

- userId: UUID
- name: String
- email: String
- passwordHash: String
- profilePicture: String

+login() : : boolean
+updateProfile() : : void
+readPersonalProfile() : : Profile
+readInvitation(event: Event) : : Invitation
+readProfile(username: String) : : Profile
+reportEvent(event: Event) : : void
+reportProfile(user: User) : : void
+viewItemDetails(event: Event) : : WishlistItem
+filterItems(event: Event) : : WishlistItem[]

RetailPartner

- partnerId: UUID
- name: String
- apiEndpoint: String

+provideCatalog() : : List

EventPlanner

+createEvent() : : Event
+removeEvent(event: Event) : : void
+sendInvitation(event: Event) : : void
+manageWishlist(event: Event) : : void
+viewAnalytics(event: Event) : : Analytics
+manageGallery(event: Event) : : void
+receiveContribution(event: Event) : : void

StripeConnect

+processPayment() : : boolean
+refundPayment() : : boolean
+getTransactionHistory() : : List

Guest

+viewEvent(event: Event) : : void
+contributeGift(event: Event) : : Contribution
+markItemReserved(event: Event, item: WishlistItem) : : void
+uploadMedia(event: Event) : : void
+requestRefund(event: Event) : : void

receives   *contributes*   *processes*   *moderates*   *uploads*   *creates*   *views*

Contribution

- contributionId: UUID
- itemId: UUID
- guestId: UUID
- amount: float
- date: DateTime

Media

- mediaId: UUID
- eventId: UUID
- uploaderId: UUID
- type: String
- fileUrl: String
- approved: boolean

Event

- eventId: UUID
- title: String
- dateTime: DateTime
- location: String
- description: String
- enableWishlist: boolean
- enableGallery: boolean

+publishEvent() : : void
+addGuest(user: User) : : void

manages   *reserves*

Invitation

- invitationId: UUID
- eventId: UUID
- guestId: UUID
- status: String
- method: String
- createdAt: DateTime

Wishlist

- wishlistId: UUID
- eventId: UUID

+addItem(item: WishlistItem) : : void
+removeItem(itemId: UUID) : : void

WishlistItem

- itemId: UUID
- name: String
- description: String
- quantity: int
- price: float
- fulfilled: boolean

+reserve() : : void
+contribute(amount: float) : : void