A screenshot of a mobile device

AI-generated content may be incorrect.

**📱 UI Name: Points Transaction History Screen**

**🎯 Purpose of This Screen**

**Allow users to:**

* **View all WayPoints activities: earnings and redemptions.**
* **Filter by type (e.g., “Earned”, “Redeemed”).**
* **Sort by date (latest to oldest).**
* **View details like source (e.g., “Quiz”, “Referral”, “Free Ride”).**
* **View running balance (optional).**

**🔄 Functional Flows**

**1. Page Load**

* **User Action: Navigates to “Points History.”**
* **System Response:**
  + **Query all transaction logs for current user.**
  + **Sort by most recent.**

**🛠️ Backend Query:  
 From DB> users/{uid}/transactions**

* **Ordered by timestamp DESC.**

**2. Display Transaction List**

**Each list item shows:**

* **✅ Type: Earned or Redeemed**
* **🎯 Source: (e.g., “Ride”, “Blessing”, “Redemption: Free Ride”)**
* **📆 Date: Human-readable (e.g., “July 3, 2025”)**
* **🔢 Points: "+25", "-200"**
* **📊 Balance after transaction (optional)**

**3. Filter by Type**

* **User Action: Tap dropdown or segmented button:  
   All | Earned | Redeemed**
* **System Response:**
  + **Filter transactions by type == "earned" or "redeemed"**

**4. Sort by Date**

* **Optional feature**
* **Sort transactions: Newest First or Oldest First**

**5. Tap to View Details (Optional)**

* **User can tap an entry to view:**
  + **More details (e.g., reason, bonus multipliers)**
  + **Linked item (e.g., the quiz taken or the reward redeemed)**
* **🤖 AI Agents (Optional/Advanced)**

|  |  |
| --- | --- |
| **AI Agent** | **Role** |
| **📘 PointsInsightAgent** | **Shows weekly/monthly stats (e.g., “You earned 1,250 WayPoints this month!”)** |
| **🧠 BehaviorTrackerAgent** | **Detects patterns in earnings (e.g., “You earn the most on Wednesdays!”)** |
| **🕵️ SuspiciousActivityAgent** | **Flags unusual spikes or redemptions for admin** |
| **🏁 MilestoneAgent** | **Notifies when user hits key totals (e.g., “You've redeemed 1,000 WayPoints!”)** |
| **🧾 StatementBuilderAgent** | **Generates exportable point history statements (PDF or CSV)** |

**✅ Example Entry (UI View)**

**yaml**

**CopyEdit**

**🟢 +25 WayPoints**

**🕊️ Source: Daily Blessing**

**📅 Date: July 4, 2025**

**Balance: 425 WP**

**yaml**

**CopyEdit**

**🔴 -200 WayPoints**

**🎁 Source: Redeemed - Free Ride**

**📅 Date: July 3, 2025**

**Balance: 400 WP**

**🧾 Optional Enhancements**

* **📊 Chart Summary: Pie chart of Earned vs. Redeemed.**
* **🧭 Search Bar: Search by reward name or source.**
* **🖨️ Export Button: Email or download history.**