2. Earn Points - NFC Tap Flow

Attendee | **WebZero Team Member (Venue Station)** | **Admin Mobile App** | **NFC Wristband** | **Backend Server** | **Database**

Attendee → WebZero Team Member: Approaches particular booth

WebZero Team Member → Admin Mobile App: Holds phone ready

Admin Mobile App: NFC reader active

Attendee → NFC Wristband: Taps wristband on phone

NFC Wristband ⇠ Admin Mobile App: Transmits UID via NFC

Admin Mobile App: Reads NFC UID

UID: 04:5A:B2:C8:D1:E5:80

Admin Mobile App → Backend Server: POST /api/points/earn/nfc
{nfcUID, venueId}

Backend Server → Database: Find user by nfcUID

Database ⇠ Backend Server: User found
{userId, walletAddress, points}

Backend Server → Database: Check existing check-in
for venue

Database ⇠ Backend Server: No previous check-in

Backend Server: Award 10 points

Backend Server → Database: Save transaction

**{
userId,
type: "earn",
points: 10,
sourceType: "nfc",
venueId
}**

Backend Server → Database: Update point balance

Backend Server ⇠ Admin Mobile App: 200 OK
{newBalance: 150, awarded: 10}

Admin Mobile App: Shows success animation

Admin Mobile App: Plays beep sound

WebZero Team Member → Attendee: earns 10 points!