PAYSIGNAL JUNIOR DEV THT

Take-Home Assessment: "Transaction Dispute Resolution Portal"

One thing remittance platforms often lack (or struggle to streamline) is **a smooth dispute resolution process**. Customers sometimes send money to the wrong recipient, experience failed transactions, or get charged incorrectly. A junior dev should be able to build an **MVP** of a dispute resolution system.

Task:

Build a simple **Transaction Dispute Resolution Portal** where customers can submit a dispute request when they experience a failed or incorrect transaction.

Requirements:

1. Backend (API - Django + SQLite)

- **Endpoint to file a dispute**:
  - Required fields: `transaction_id`, `user_id`, `reason`, `details`, `timestamp`, and an optional `screenshot/evidence` upload.
- **Endpoint to fetch disputes**:
  - Allow fetching disputes by `user_id` (for customers) and `status` (for admin review).
- **Endpoint to update dispute status**:
  - Admin should be able to update status (`Pending` → `Reviewed` → `Resolved`).
- Store transactions in SQLite and validate `transaction_id` before dispute submission.

2. Frontend (React Native + Axios)

- **Screen to file a dispute**:
  - Form to submit a dispute with dropdown options (e.g., "Incorrect Amount", "Failed Transaction", etc.).
  - Upload feature for screenshots (optional).
- **Screen to view dispute history**:
  - Display all disputes with statuses (`Pending, Reviewed, Resolved`).
- **Admin panel (basic UI for now)**:
  - See all disputes and change their status.