React Native Assignment

Objective: Build a simplified version of the company platform using React Native. This includes two separate apps:

1. **Customer App** – where users can log in, schedule a scrap pickup, and view their order history.
2. **Partner App** – where eco-warrior partners can log in, view assigned pickups, and complete orders by entering scrap item details.

This assignment is designed to assess your ability to create clean, well-structured React Native apps with good UI/UX, navigation, and mock API integration. Backend development is **not** required; you are expected to use `json-server`, `MockAPI.io`, or manage the data via state/local storage.

Pickup Request Lifecycle

All pickup requests will follow these five stages:

1. **Pending** – When a customer schedules a pickup request.
2. **Accepted** – When a partner accepts the pickup request.
3. **In-Process** – When the partner arrives at the customer's location and enters the pickup code shared by the customer (visible in the customer's order).
4. **Pending for Approval** – After entering item details and total amount, the partner sends the request for customer approval.
5. **Completed** – When the customer reviews and approves the pickup details.

A pickup request will be visible on both the Customer and Partner apps. As the request progresses through each stage, it should reflect in real time in both interfaces, with real-time updates visible to both customer and partner apps.

Part 1: Customer App

1. Authentication (Phone Number + OTP)

- Allow users to log in using their **phone number**.
- On submitting the number, show a screen to enter a **6-digit OTP**.
- You can mock the OTP process by accepting any default value like `123456`.
- On successful login, store the session using `AsyncStorage`.

2. Dashboard

- Show a welcome message with the user's phone number or name.
- Option to "Schedule Pickup"

- Section displaying recent pickup request summary (mocked or from local storage)

3. Schedule Pickup Flow

- Form to select:
  - Pickup date (date picker)
  - Available time slot (e.g., 10–11 AM, 12–1 PM, etc.)
  - Address (text input)
  - Google Map location link (optional field)
- On submission, store the pickup request locally or via mock API.
- Status should be set to **Pending**.

4. Order History

- List of all pickup requests with:
  - Pickup Date
  - Time Slot
  - Address
  - Status (Pending / Accepted / In-Process / Pending for Approval / Completed)
  - Pickup Code (visible to customer once request is accepted)
- Show approval interface for orders in “Pending for Approval” status, including item list and total amount

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Part 2: Partner App

1. Authentication (Phone Number + OTP)

- Same as the customer app – allow partner to log in using phone number and mocked OTP.
- Store login session using AsyncStorage.

2. View Assigned Pickups

- Fetch and display a list of scheduled pickups.
- Each pickup card should show:
  - Customer name
  - Phone number
  - Address
  - Google Map location link (if available)
  - Scheduled date & time slot
  - Current request status

3. Pickup Workflow

- **Accept Pickup** – Partner accepts request → Status becomes **Accepted**

- **Start Pickup** – Partner enters the Pickup Code (from customer) → Status becomes **In-Process**
- **Add Item Details** – Partner inputs scrap item names, quantities, and prices
- **Submit for Approval** – Sends to customer for confirmation → Status becomes **Pending for Approval**
- Once customer approves → Status becomes **Completed**

Tools & Technologies Allowed

- React Native (Expo or CLI)
- React Navigation
- Context API or Redux (for state management)
- Axios or Fetch
- AsyncStorage
- json-server or MockAPI.io (optional for mocking APIs)

Deliverables

- A GitHub repo
- Clear README with:
  - Setup instructions
  - How you mocked the backend (state/json-server/etc.)
  - Screenshots (optional but helpful)

Notes:

- Feel free to use your creativity in UI design.
- You are not required to use any paid APIs.
- Treat this as a real-world project — good practices and clean code will be appreciated.

If you have any questions during the assignment, feel free to reach out. All the best!