

Inventory Management App

A React Native mobile application for managing inventory with offline storage capabilities. Keep track of your items, monitor stock levels, and manage categories efficiently.

Features

- **Offline Storage:** All data is stored locally using AsyncStorage.
- **Item Management:**
 - Add, edit, and delete inventory items
 - Track quantity, price, and category
 - Set low stock thresholds
 - Add notes and images to items
- **Category Management:**
 - Predefined categories (General, Electronics, Office Supplies)
 - Organize items by category
- **Settings:**
 - Dark Mode toggle
 - Configurable low stock threshold
 - Category management
- **Data Validation:** Comprehensive validation for all data entries

This project is bootstrapped using [@react-native-community/cli](https://react-native-community.com/cli).



Project Structure

```
InventoryApp/
├── assets/           # Static assets like images
├── components/       # Reusable UI components
├── navigation/       # Navigation configuration
├── screens/          # App screens (Home, ItemList, Settings, etc.)
├── storage/          # AsyncStorage utilities
├── utils/            # Helper functions and constants
├── App.tsx           # Entry point
└── ...               # Other config files
```



Getting Started

Note: Make sure you have completed the [Set Up Your Environment](#) guide before proceeding.

Step 1: Start Metro

Run the following command from the root of your React Native project:

```
# Using npm
npm start
```

```
# OR using Yarn
yarn start
```

Step 2: Build and Run Your App

With Metro running, open a new terminal window/pane and use:

Android

```
npm run android
# OR
yarn android
```

iOS

Install CocoaPods dependencies:

```
bundle install
bundle exec pod install
```

Then run:

```
npm run ios  
# OR  
yarn ios
```

If everything is set up correctly, the app should launch in your simulator or connected device.

You can also build it directly using Android Studio or Xcode.

Modify Your App

Edit `App.tsx` or any screen/component to make changes. Updates are applied live using [Fast Refresh](#).

Full Reload

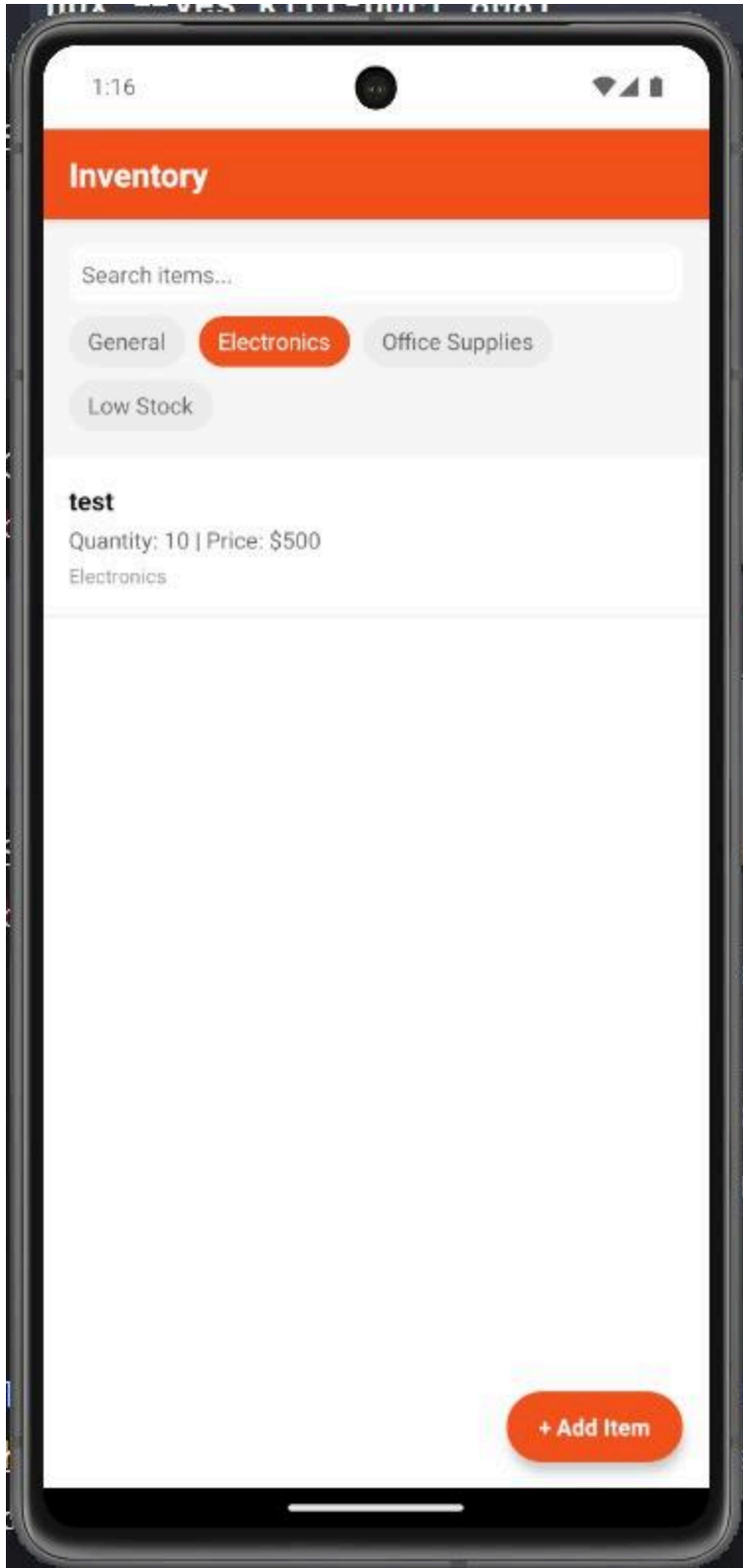
- **Android:** Press R twice or open **Dev Menu** using Ctrl + M (Windows/Linux) or Cmd ⌘ + M (macOS).
 - **iOS:** Press R in iOS Simulator.
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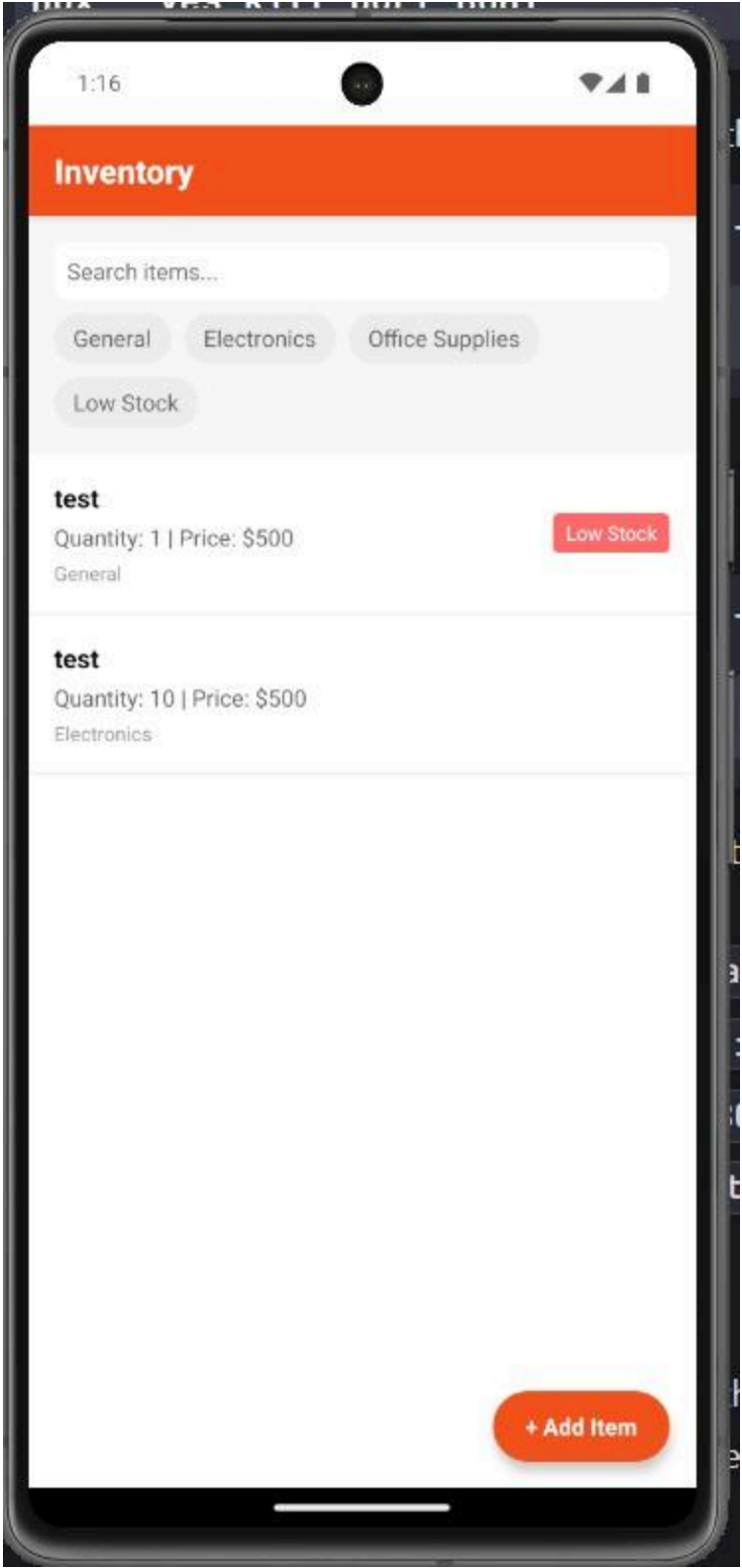
Testing & Validation

- Ensure all fields are properly validated using built-in form checks.
- Offline capability should be tested by switching off the internet.
- Validate dark mode, category toggles, and low stock alerts under settings.

GitHub:: https://github.com/brahmaputraS/Inventorymanagement_mobile.git

Screenshots:





1:17

←

Add Item

Name

Enter item name

Quantity

0

Price

0

Category

General

Electronics

Office Supplies

Notes (Optional)

Enter notes

Low Stock Threshold

5

Save