Products.js:

export default [

{ id: 1, title: "Casual T-Shirt", price: 19.99, image: require('./assets/tshirt.png') },

{ id: 2, title: "Smart Watch", price: 49.99, image: require('./assets/watch.png') },

{ id: 3, title: "Wireless Earbuds", price: 29.99, image: require('./assets/earbuds.png') },

{ id: 4, title: "Bluetooth Speaker", price: 39.99, image: require('./assets/speaker.png') },

{ id: 5, title: "Leather Wallet", price: 24.99, image: require('./assets/wallet.png') },

{ id: 6, title: "Running Shoes", price: 59.99, image: require('./assets/shoes.png') },

{ id: 7, title: "Gaming Mouse", price: 34.99, image: require('./assets/mouse.png') },

{ id: 8, title: "Travel Backpack", price: 45.99, image: require('./assets/backpack.png') },

{ id: 9, title: "Sunglasses", price: 19.99, image: require('./assets/sunglasses.png') },

{ id: 10, title: "Laptop Stand", price: 32.99, image: require('./assets/laptopstand.png') },

{ id: 11, title: "Coffee Mug", price: 14.99, image: require('./assets/mug.png') },

{ id: 12, title: "Desk Lamp", price: 25.49, image: require('./assets/desklamp.png') },

{ id: 13, title: "Power Bank", price: 29.99, image: require('./assets/powerbank.png') },

{ id: 14, title: "Water Bottle", price: 12.99, image: require('./assets/bottle.png') },

{ id: 15, title: "Phone Case", price: 9.99, image: require('./assets/phonecase.png') },

];

App.js:

import React, { useState, useEffect } from 'react';

import { View, Text, FlatList, Image, StyleSheet, ActivityIndicator } from 'react-native';

import products from './products';

export default function App() {

  const [data, setData] = useState([]);

  const colors = ['#e0f7fa', '#fff9c4', '#e1f5fe', '#f3e5f5', '#f2f2f2'];

  useEffect(() => {

    setTimeout(() => {

      setData(products);

    }, 1000);

  }, []);

  const renderItem = ({ item, index }) => (

    <View style={[styles.card, { backgroundColor: colors[index % colors.length] }]}>

      <Image source={item.image} style={styles.image} />

      <Text style={styles.title}>{item.title}</Text>

      <Text style={styles.price}>${item.price}</Text>

    </View>

  );

  if (data.length === 0) {

    return (

      <View style={styles.center}>

        <ActivityIndicator size="large" color="#0000ff" />

        <Text>Loading products...</Text>

      </View>

    );

  }

  return (

    <View style={styles.container}>

      <FlatList

        data={data}

        keyExtractor={(item) => item.id.toString()}

        renderItem={renderItem}

      />

    </View>

  );

}

const styles = StyleSheet.create({

  container: { flex: 1, padding: 10, backgroundColor: '#fff' },

  card: { marginBottom: 20, padding: 10, borderRadius: 10 },

  image: { width: '100%', height: 150, resizeMode: 'contain' },

  title: { fontSize: 16, fontWeight: 'bold', marginVertical: 5 },

  price: { fontSize: 14, color: 'green' },

  center: { flex: 1, justifyContent: 'center', alignItems: 'center' },

});

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