import React, { useState } from 'react';

import {

View,

Text,

TextInput,

StyleSheet,

SectionList,

Modal,

TouchableOpacity,

SafeAreaView,

} from 'react-native';

const CONTACTS = [

{ name: 'Alice', number: '1234567890', group: 'Family' },

{ name: 'Bob', number: '2345678901', group: 'Friends' },

{ name: 'Charlie', number: '3456789012', group: 'Work' },

{ name: 'David', number: '4567890123', group: 'Family' },

{ name: 'Eve', number: '5678901234', group: 'Friends' },

{ name: 'Frank', number: '6789012345', group: 'Work' },

{ name: 'Grace', number: '7890123456', group: 'Family' },

{ name: 'Heidi', number: '8901234567', group: 'Friends' },

{ name: 'Ivan', number: '9012345678', group: 'Work' },

{ name: 'Judy', number: '0123456789', group: 'Family' },

];

export default function App() {

const [search, setSearch] = useState('');

const [selectedContact, setSelectedContact] = useState(null);

const filteredContacts = CONTACTS.filter(

c =>

c.name.toLowerCase().includes(search.toLowerCase()) ||

c.number.includes(search)

);

const groupedContacts = ['Family', 'Friends', 'Work'].map(group => ({

title: group,

data: filteredContacts.filter(contact => contact.group === group),

}));

return (

<SafeAreaView style={styles.container}>

<Text style={styles.title}>My Contacts</Text>

<TextInput

placeholder="Search by name or number"

value={search}

onChangeText={setSearch}

style={styles.input}

/>

<SectionList

sections={groupedContacts}

keyExtractor={(item, index) => item.name + index}

renderItem={({ item }) => (

<TouchableOpacity

style={styles.contactItem}

onPress={() => setSelectedContact(item)}

>

<Text style={styles.contactName}>{item.name}</Text>

<Text style={styles.contactNumber}>{item.number}</Text>

</TouchableOpacity>

)}

renderSectionHeader={({ section: { title } }) => (

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

)}

/>

{/\* Modal for contact details \*/}

<Modal visible={!!selectedContact} transparent animationType="slide">

<View style={styles.modalContainer}>

<View style={styles.modalBox}>

<Text style={styles.modalTitle}>Contact Details</Text>

<Text>Name: {selectedContact?.name}</Text>

<Text>Number: {selectedContact?.number}</Text>

<Text>Group: {selectedContact?.group}</Text>

<TouchableOpacity

onPress={() => setSelectedContact(null)}

style={styles.closeButton}

>

<Text style={{ color: 'white' }}>Close</Text>

</TouchableOpacity>

</View>

</View>

</Modal>

</SafeAreaView>

);

}

const styles = StyleSheet.create({

container: { flex: 1, padding: 16, backgroundColor: '#f9f9f9' },

title: { fontSize: 24, fontWeight: 'bold', marginBottom: 10 },

input: {

borderWidth: 1,

borderColor: '#aaa',

borderRadius: 8,

padding: 10,

marginBottom: 10,

},

groupHeader: {

fontSize: 18,

fontWeight: 'bold',

backgroundColor: '#ddd',

padding: 5,

marginTop: 10,

},

contactItem: {

backgroundColor: '#fff',

padding: 12,

marginVertical: 4,

borderRadius: 8,

elevation: 2,

},

contactName: { fontSize: 16, fontWeight: 'bold' },

contactNumber: { fontSize: 14, color: '#555' },

modalContainer: {

flex: 1,

backgroundColor: 'rgba(0,0,0,0.4)',

justifyContent: 'center',

alignItems: 'center',

},

modalBox: {

width: '80%',

backgroundColor: 'white',

borderRadius: 12,

padding: 20,

alignItems: 'center',

},

modalTitle: { fontSize: 20, fontWeight: 'bold', marginBottom: 10 },

closeButton: {

backgroundColor: '#007bff',

paddingVertical: 8,

paddingHorizontal: 20,

borderRadius: 8,

marginTop: 15,

},

});