import 'package:flutter/material.dart';

import 'package:provider/provider.dart';

import 'task.dart';

void main() {

runApp(ElectricianTasksApp());

}

class ElectricianTasksApp extends StatelessWidget {

@override

Widget build(BuildContext context) {

return ChangeNotifierProvider(

create: (context) => TaskProvider(),

child: MaterialApp(

title: 'Electrician Tasks',

theme: ThemeData(

primarySwatch: Colors.blue,

),

home: ElectricianTasksScreen(),

),

);

}

}

class ElectricianTasksScreen extends StatelessWidget {

@override

Widget build(BuildContext context) {

final taskProvider = Provider.of<TaskProvider>(context);

return Scaffold(

appBar: AppBar(

title: Text('Electrician Tasks'),

actions: [

IconButton(

icon: Icon(Icons.add),

onPressed: () {

\_displayAddTaskDialog(context);

},

),

],

),

body: ListView.builder(

itemCount: taskProvider.tasks.length,

itemBuilder: (context, index) {

return ListTile(

title: Text(taskProvider.tasks[index].title),

trailing: IconButton(

icon: Icon(Icons.delete),

onPressed: () {

taskProvider.removeTask(index);

},

),

);

},

),

);

}

void \_displayAddTaskDialog(BuildContext context) {

final TextEditingController taskController = TextEditingController();

showDialog(

context: context,

builder: (context) {

return AlertDialog(

title: Text('Add New Task'),

content: TextField(

controller: taskController,

decoration: InputDecoration(hintText: 'Enter task description'),

),

actions: [

TextButton(

onPressed: () {

if (taskController.text.isNotEmpty) {

Provider.of<TaskProvider>(context, listen: false)

.addTask(Task(taskController.text));

Navigator.of(context).pop();

}

},

child: Text('Add'),

),

TextButton(

onPressed: () {

Navigator.of(context).pop();

},

child: Text('Cancel'),

),

],

);

},

);

}

}

class TaskProvider with ChangeNotifier {

List<Task> \_tasks = [

Task("⚡ Wiring & Rewiring – Set up new wires or replace old ones"),

Task("⚡ Fix Switchboards & Sockets – Repair or install new electrical sockets"),

Task("⚡ Install Ceiling & Exhaust Fans – Set up fans and replace old ones"),

Task("⚡ Install UPS & Inverters – Connect backup power systems"),

Task("⚡ Repair Circuit Breakers – Fix fuse boxes and power distribution boards"),

Task("⚡ Lighting Installation – Install LED lights, chandeliers, and tube lights"),

Task("⚡ Generator Connection – Set up generator connections"),

Task("⚡ CCTV Camera Installation – Install and set up security cameras"),

];

List<Task> get tasks => \_tasks;

void addTask(Task task) {

\_tasks.add(task);

notifyListeners();

}

void removeTask(int index) {

\_tasks.removeAt(index);

notifyListeners();

}

}