// lib/models.dart

import 'dart:convert';

class InvoiceItem {

final String title;

final double quantity;

final double unitPrice;

InvoiceItem({required this.title, required this.quantity, required this.unitPrice});

double get total => quantity \* unitPrice;

Map<String, dynamic> toJson() => {'title': title, 'quantity': quantity, 'unitPrice': unitPrice};

static InvoiceItem fromJson(Map<String,dynamic> j) => InvoiceItem(

title: j['title'],

quantity: (j['quantity'] as num).toDouble(),

unitPrice: (j['unitPrice'] as num).toDouble()

);

}

class Invoice {

final String id;

final String customerName;

final String customerPhone;

final DateTime date;

final List<InvoiceItem> items;

final double total;

Invoice({

required this.id,

required this.customerName,

required this.customerPhone,

required this.date,

required this.items,

required this.total

});

Map<String,dynamic> toJson() => {

'id': id,

'customerName': customerName,

'customerPhone': customerPhone,

'date': date.toIso8601String(),

'items': items.map((e)=>e.toJson()).toList(),

'total': total

};

static Invoice fromJson(Map<String,dynamic> j) => Invoice(

id: j['id'],

customerName: j['customerName'],

customerPhone: j['customerPhone'],

date: DateTime.parse(j['date']),

items: (j['items'] as List).map((e)=>InvoiceItem.fromJson(e)).toList(),

total: (j['total'] as num).toDouble()

);

String toJsonString() => json.encode(toJson());

}