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import 'dart:async';
import 'dart:math';
import 'package:cinetpay/cinetpay.dart';
import 'package:flutter/material.dart';
import 'package:get/get.dart';
import 'package:socket/Constants.dart';

Future main() async {
  runApp(new MyApp());
}

class MyApp extends StatefulWidget {
  @override
  _MyAppState createState() => new _MyAppState();
}

class _MyAppState extends State<MyApp> {
  TextEditingController amountController = new TextEditingController();
  Map<String, dynamic>? response;
  Color? color;
  IconData? icon;
  bool show = false;

  @override
  void initState() {
    super.initState();
  }

  @override
  void dispose() {
    super.dispose();
  }

  @override
  Widget build(BuildContext context) {
    return GetMaterialApp(
      title: 'CinetPay Demo',
      theme: ThemeData(
        primarySwatch: Colors.green,
        visualDensity: VisualDensity.adaptivePlatformDensity,
      ),
      home: Scaffold(
        appBar: AppBar(
          title: Text("CinetPay Demo"),
          centerTitle: true,
        ),
        body: SafeArea(
          child: Center(
            child: ListView(
              shrinkWrap: true,
              children: [
                Column(
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Container(),
    mainAxisAlignment: MainAxisAlignment.center,
    children: [
      show ? Icon(icon, color: color, size: 150) :
      show ? SizedBox(height: 50.0) : Container(),
      Text(
        "Example integration Package for Flutter",
        style: TextStyle(
          fontSize: 30,
          fontWeight: FontWeight.bold
        ),
        textAlign: TextAlign.center,
      ),
      SizedBox(height: 50.0),
      Text(
        "Cart informations.",
        style: Theme.of(context).textTheme.headline4,
      ),
      SizedBox(height: 50.0),
      new Container(
        padding: EdgeInsets.symmetric(horizontal: 20.0),
        margin: EdgeInsets.symmetric(horizontal: 50.0),
        decoration: BoxDecoration(
          borderRadius: BorderRadius.circular(12.0),
          border: Border.all(color: Colors.green),
        ),
        child: new TextField(
          controller: amountController,
          decoration: InputDecoration(
            hintText: "Amount",
            border: InputBorder.none,
          ),
          keyboardType: TextInputType.number,
        ),
      ),
      SizedBox(height: 40.0),
      ElevatedButton(
        child: Text("Pay with CinetPay"),
        onPressed: () async {
          String amount = amountController.text;
          if(amount.isEmpty) {
            return;
          }
          double _amount;
          try {
            _amount = double.parse(amount);

            if (_amount < 100) {
              return;
            }

            if (_amount > 1500000) {
              return;
            }
          }
        }
      )
    ]
  ),
)

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    }

    catch (exception) {
        return;
    }

    amountController.clear();

    final String transactionId =
Random().nextInt(1000000000).toString(); // Mettre en place un endpoint à
contacter côté serveur pour générer des ID unique dans votre BD

    await Get.to(CinetPayCheckout(
        title: 'Guichet de paiement',
        configData: <String, dynamic> {
            'apikey': Constants().API_KEY,
            'site_id': Constants().SITE_ID,
            'notify_url': Constants().NOTIFY_URL,
            'mode': Constants().MODE
        },
        paymentData: <String, dynamic> {
            'transaction_id': transactionId,
            'amount': _amount,
            'currency': 'XOF',
            'channels': 'CREDIT_CARD',
            'description': 'Test de paiement',
        },
        waitResponse: (data) {
            if (mounted) {
                setState(() {
                    response = data;
                    print(response);
                    icon = data['status'] == 'ACCEPTED' ?
Icons.check_circle : Icons.mood_bad_rounded;
                    color = data['status'] == 'ACCEPTED' ?
Colors.green : Colors.redAccent;
                    show = true;
                    Get.back();
                });
            }
        },
        onError: (data) {
            if (mounted) {
                setState(() {
                    response = data;
                    print(response);
                    icon = Icons.warning_rounded;
                    color = Colors.yellowAccent;
                    show = true;
                    Get.back();
                });
            }
        },
    ));

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    },
  ),
  1,
),
1,
)
)
),
);
}
```