

DÉPARTEMENT MATHÉMATIQUES ET INFORMATIQUE

Filière : « Génie du Logiciel et des Systèmes Informatiques Distribués » **GLSID**

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TP5: Flutter

lien github:

https://github.com/mohamedBoujdi/flutter_listView

ENSET Mohammedia

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I. Objectifs :

1. Alimenter une ListView à partir des données d'une API.
2. Maîtriser l'imbrication des différents widgets Stateless et Stateful.

II. Travail à faire :

Dans ce TP, il est demandé de réaliser une application qui affiche une liste d'utilisateurs à partir des données de l'API du web service:

<https://randomuser.me/api/?results=10>.

```
"results": [  
  {  
    "gender": "female",  
    "name": {  
      "title": "Mrs",  
      "first": "Kayla",  
      "last": "Campbell"  
    },  
    "location": {  
      "street": {  
        "number": 4367,  
        "name": "North Road"  
      },  
      "city": "Kinsealy-Drinan",  
      "state": "Mayo",  
      "country": "Ireland",  
      "postcode": 81096,  
      "coordinates": {  
        "latitude": "22.5817",  
        "longitude": "92.7207"  
      },  
      "timezone": {  
        "offset": "+7:00",  
        "description": "Bangkok, Hanoi, Jakarta"  
      }  
    },  
  },  
],
```

user.dart

```
class User {  
  String _gender;  
  String _name;  
  String _email;  
  String _phone;  
  String _picSmall;  
  String _picLarge;  
  
  User(this._gender, this._name, this._email, this._phone,  
    this._picSmall, this._picLarge);  
}
```

```
String get picLarge => _picLarge;
```

```
set picLarge(String value) {  
    _picLarge = value;  
}
```

```
String get picSmall => _picSmall;
```

```
set picSmall(String value) {  
    _picSmall = value;  
}
```

```
String get phone => _phone;
```

```
set phone(String value) {  
    _phone = value;  
}
```

```
String get email => _email;
```

```
set email(String value) {  
    _email = value;  
}
```

```
String get name => _name;
```

```
set name(String value) {  
    _name = value;  
}
```

```
String get gender => _gender;
```

```
set gender(String value) {  
    _gender = value;  
}
```

```
}
```

j'ajoute la dépendance http

```
# versions available, run `flutter pub outdated`.
dependencies:
  http:
  flutter:
    sdk: flutter
```

là où consomme mon api

```
class _MyHomePageState extends State<MyHomePage> {
  Future<List<User>> _getUsers() async {
    var data =

    await http.get(Uri.https('randomuser.me', 'api', {'results': '10'}));

    var jsonData = json.decode(data.body);

    List<User> users = [];

    for (var u in jsonData['results']) {
      User user = User(
        u['gender'],
        u["name"]["first"] + " " + u["name"]["last"],
        u["email"],
        u["phone"],
        u["picture"]["medium"],
        u["picture"]["large"]
      );

      users.add(user);
    }
    print(users);
    return users;
  }
}
```

details.dart:

```

import 'package:flutterapp5/user.dart';

import 'package:flutter/material.dart';

import 'package:glass_card/glass_card.dart';

class DetailPage extends StatelessWidget {
  final User user;

  DetailPage(this.user);

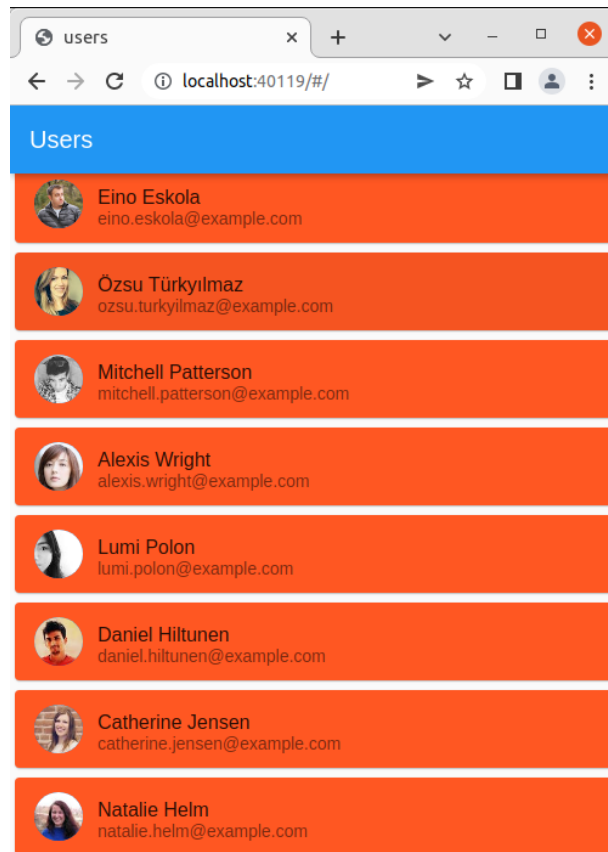
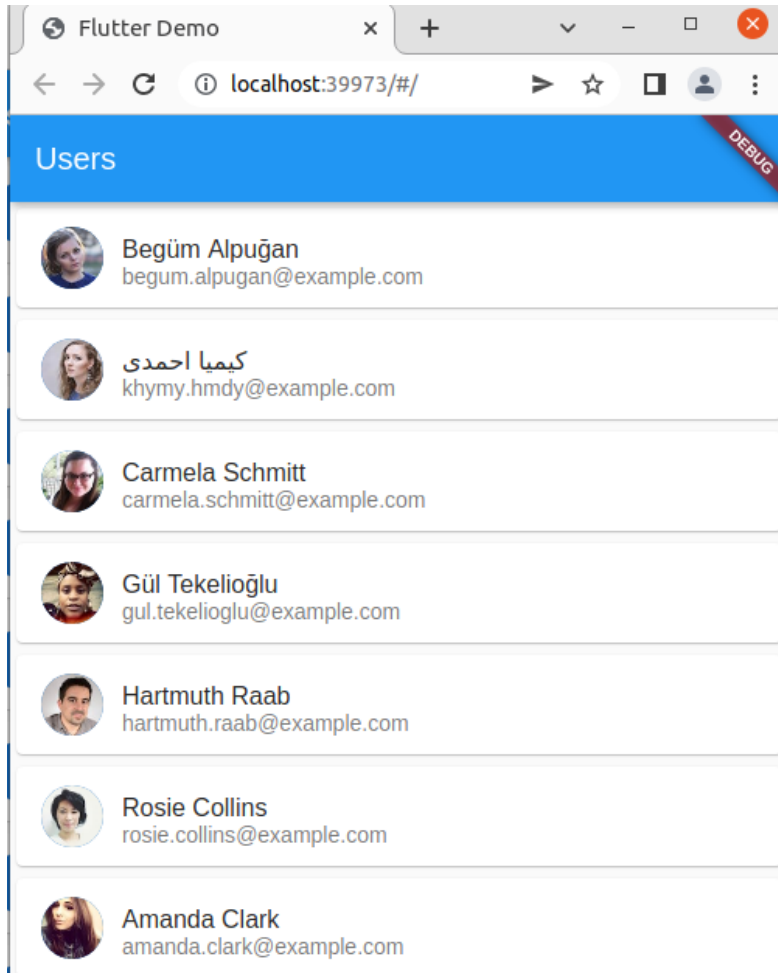
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: Text(user.name),
        backgroundColor: Colors.deepOrange,
      ),
      body: Center(
        child: CardGlass(
          height: 300,
          width: 300,
          //borderRadius: BorderRadius.all(Radius.circular(150)),
          child: Center(
            child: Container(
              decoration: ShapeDecoration(color: Colors.transparent,
shape:Border.all(
                color: Colors.transparent,
                width: 8.0,
              ) + Border.all(
                color: Colors.transparent,
                width: 8.0,
              ) + Border.all(
                color: Colors.transparent,
                width: 8.0,
              ),
            ),
            child: Column(

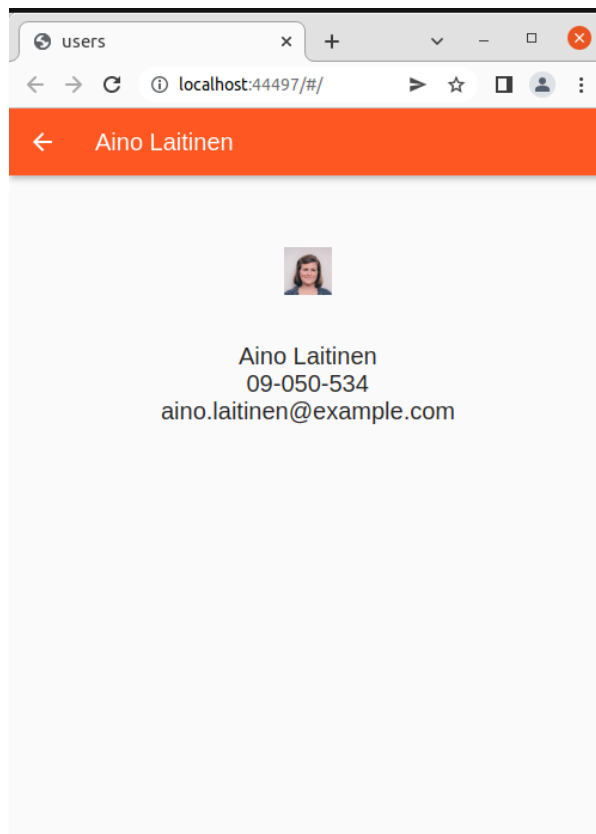
```

```

        children: [
          SizedBox(height: 60,),
          CircleAvatar(backgroundColor: Colors.deepOrange,
            child: Image(
              image: NetworkImage(user.picLarge),
              width: double.infinity,
              fit: BoxFit.fitWidth,
            ),
          ),
          SizedBox(height: 40,),
          Text(user.name,
            style: TextStyle(
              fontSize: 20
            ),
          ),
          Text(user.phone,
            style: TextStyle(
              fontSize: 20
            ),
          ),
          Text(user.email,
            style: TextStyle(
              fontSize: 15
            ),
          ),
        ],
      ),
    ],
  ),
);
}
}

```





j'ajoute GlassCard:

