Create a Car Dealership flutter application. The interface consists of a list of the following cars:

|  |  |  |  |
| --- | --- | --- | --- |
| Car | Year | Price | Mileage |
| Honda Civic | 2018 | $18,000 | 26,000 |
| Jaguar E-Pace | 2019 | $28,000 | 11,000 |
| Mercedes C-300 | 2017 | $26,000 | 24,000 |
| Tesla Model 3 | 2017 | $35,000 | 20,000 |
| Toyota Camry | 2018 | $27,000 | 17,000 |
| Volkswagen Atlas Cross Sport | 2019 | $32,000 | 15,000 |

The list should show the image of the car and the model and the year below it. Once the user clicks (taps) on a car then the app shows the image again, and under it the rest of the information for that car: year, price, and mileage. Add a title, ‘Used Car Dealership’ (either as a property of MaterialApp or of appBar).

Hello everyone, some hints to build Hwk4 app:

1. Stateless is fine

2. Inside class build define array vars for cars, year, price, mileage

3. return Scaffold with its properties: appBar and body

4. Add a Column(wrap it with an Expanded widget) inside body with a sole children: ListView.builder

5. ListView.builder properties: itemCount: any array(cars, year, price or mileage).length

6. itemBuilder: (context, index) {

7. return Inkwell(child: Column(children[image, Text],

8. onTap: () { go to 2nd screen passing index }

Inkwell is an invisible button and since it wraps around image and text then the user can click on any of these objects.

On the second screen you could design it as a column with rows of Car type, Image, Price, and on the same row Year and Mileage.

If you are having overflow problem with android emulator then wrap the column in SingleChildScrowView.

import 'package:flutter/material.dart';

**void** main() => runApp(MyApp());

**class** MyApp extends StatelessWidget {

  @override

  Widget build(BuildContext context) {

**return** **new** MaterialApp(

      title: "GFG",

      theme: **new** ThemeData(

          primarySwatch: Colors.green

      ),

      debugShowCheckedModeBanner: **false**,

      home: WrapW()

    );

  }

}

**class** WrapW extends StatelessWidget {

  @override

  Widget build(BuildContext context) {

**return** Scaffold(

      appBar:AppBar(

        title: Text("GeeksForGeeks"),

      ),

      body: Wrap(

        // direction: Axis.vertical,

        // alignment: WrapAlignment.center,

        // spacing:8.0,

        // runAlignment:WrapAlignment.center,

        // runSpacing: 8.0,

        // crossAxisAlignment: WrapCrossAlignment.center,

        // textDirection: TextDirection.rtl,

        // verticalDirection: VerticalDirection.up,

        children: <Widget>[

          Container(

            color: Colors.blue,

            width: 100,

            height: 100,

            child:Center(child: Text("W1",textScaleFactor: 2.5,))

          ),

          Container(

            color: Colors.red,

            width: 100,

            height: 100,

            child:Center(child: Text("W2",textScaleFactor: 2.5,))

          ),

          Container(

            color: Colors.teal,

            width: 100,

            height: 100,

            child:Center(child: Text("W3",textScaleFactor: 2.5,))

          ),

          Container(

            color: Colors.indigo,

            width: 100,

            height: 100,

            child:Center(child: Text("W4",textScaleFactor: 2.5,))

          ),

          Container(

            color: Colors.orange,

            width: 100,

            height: 100,

            child:Center(child: Text("W5",textScaleFactor: 2.5,))

          ),

        ],

      ),

    );

  }

}

import 'package:flutter/foundation.dart';

import 'package:flutter/material.dart';

import 'package:flutter\_staggered\_grid\_view/flutter\_staggered\_grid\_view.dart';

void main() {

runApp(MyApp());

}

class MyApp extends StatelessWidget {

@override

Widget build(BuildContext context) {

return MaterialApp(

title: 'Flutter Demo',

theme: ThemeData(

primarySwatch: Colors.blue,

visualDensity: VisualDensity.adaptivePlatformDensity,

),

home: MyHomePage(title: 'Flutter Demo Home Page'),

);

}

}

class MyHomePage extends StatefulWidget {

MyHomePage({Key key, this.title}) : super(key: key);

final String title;

@override

\_MyHomePageState createState() => \_MyHomePageState();

}

class \_MyHomePageState extends State<MyHomePage> {

int \_counter = 0;

void \_incrementCounter() {

setState(() {

\_counter++;

});

}

List<String> myImageAndCaption = [

"https://picsum.photos/250?image=9",

"https://picsum.photos/250?image=10",

"https://picsum.photos/250?image=11",

"https://picsum.photos/250?image=12",

"https://picsum.photos/250?image=13",

"https://picsum.photos/250?image=14"

];

@override

Widget build(BuildContext context) {

return Scaffold(

appBar: AppBar(

title: Text(widget.title),

),

body: StaggeredGridView.countBuilder(

crossAxisCount: kIsWeb ? 4 : 2,

crossAxisSpacing: 12,

mainAxisSpacing: 12,

itemCount: myImageAndCaption.length,

itemBuilder: (context, index) {

return GestureDetector(

onTap: () {

/\*tileAction(myImageAndCaption[index][1]);

print("Container clicked" + myImageAndCaption[index][1]);\*/

},

child: Container(

decoration: BoxDecoration(

color: Colors.transparent,

borderRadius: BorderRadius.all(Radius.circular(12))),

child: Column(

children: [

Expanded(

flex: 9,

child: ClipRRect(

borderRadius: BorderRadius.all(Radius.circular(12)),

child: Image.network(myImageAndCaption[index],

fit: BoxFit.fill)),

),

Expanded(flex: 1, child: Text("title")),

],

),

),

);

},

staggeredTileBuilder: (index) {

return new StaggeredTile.count(1, index.isEven ? 1 : 0.7);

}),

floatingActionButton: FloatingActionButton(

onPressed: \_incrementCounter,

tooltip: 'Increment',

child: Icon(Icons.add),

),

);

}

}