Container widget with all properties

import 'package:flutter/material.dart';

import 'package:flutter/widgets.dart';

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

class MyApp extends StatelessWidget {

  @override

  Widget build(BuildContext *context*) {

    return MaterialApp(

*home*: Scaffold(

*appBar*: AppBar(

*title*: Text('container example'),

        ),

*body*: Container(

*child*: Text(

            'I am inside the container',

*style*: TextStyle(*color*: Colors.green, *fontSize*: 50),

          ),

*height*: 200,

*width*: double.infinity,

          //color: Colors.red,

*margin*: EdgeInsets.all(50),

*padding*: EdgeInsets.all(50),

*alignment*: Alignment.center,

*decoration*: BoxDecoration(*border*: Border.all(*color*: Colors.black,*width*: 10),),

*transform*: Matrix4.rotationZ(0.5),),

      ),

    );

  }

}

Flat Button

import 'dart:html';

import 'package:flutter/material.dart';

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

class MyApp extends StatelessWidget{

  @override

  Widget build(BuildContext *context*){

    return MaterialApp(

*home*:Scaffold(

*appBar*: AppBar(*title*: Text('flat button'),),

*body*: Center(

*child*:TextButton(

*onPressed*: () {

              print("button pressed");

            },

*child*: Text('press me',*style*: TextStyle(*color*: Colors.blue),),

          ),

        ),

      ),

    );

  }

}

Dropdown button

import 'package:flutter/material.dart';

*void* main() {

  runApp(MyApp());

}

class MyApp extends StatelessWidget {

  @override

  Widget build(BuildContext *context*) {

    return MaterialApp(

*home*: Scaffold(

*appBar*: AppBar(

*title*: Text('Dropdown Button Example'),

        ),

*body*: Center(

*child*: DropdownButton<String>(

*value*: 'One', // Initial value

*onChanged*: (String? *newValue*) {

              // Handle dropdown value change

              print('Selected: $*newValue*');

            },

*items*: <String>['One', 'Two', 'Three', 'Four']

                .map<DropdownMenuItem<String>>((String *value*) {

              return DropdownMenuItem<String>(

*value*: *value*,

*child*: Text(*value*),

              );

            }).toList(),

          ),

        ),

      ),

    );

  }

}

Exp 3

Form widget

Form import 'package:flutter/material.dart';

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

class MyApp extends StatelessWidget {

  @override

  Widget build(BuildContext *context*) {

    return MaterialApp(

*home*:Scaffold(

*appBar*: AppBar(*title*: Text('form widget')),

*body*: Center(

*child*: Form(

*child*: Column(

*children*: [

                TextFormField(

*decoration*: InputDecoration(*labelText*: 'enter your name'),

                ),

                SizedBox(*height*: 20),

                ElevatedButton(

*onPressed*: (){

                    print('button pressed');

                  },

*child*: Text('Submit'),

                )

              ],

            ),

          ),

        ),

      ),

);

}

}

GridView

import 'package:flutter/material.dart';

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

class MyApp extends StatelessWidget {

  final List<String> items = ['Item 1', 'Item 2', 'Item 3', 'Item 4'];

  @override

  Widget build(BuildContext *context*) {

    return MaterialApp(

*home*: Scaffold(

*appBar*: AppBar(*title*: Text('GridView Example')),

*body*: GridView.count(

*crossAxisCount*: 3,

*children*: List.generate(

            items.length,

            (*index*) => Card(

*child*: Center(

*child*: Text(items[*index*]),

              ),

            ),

          ),

        ),

     ),

);

}

}

Listview

import 'package:flutter/material.dart';

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

class MyApp extends StatelessWidget {

  final List<String> items = ['Item 1', 'Item 2', 'Item 3', 'Item 4'];

  @override

  Widget build(BuildContext *context*) {

    return MaterialApp(

*home*: Scaffold(

*appBar*: AppBar(*title*: Text('ListView Example')),

*body*: ListView.builder(

*itemCount*: 5,

*itemBuilder*: (BuildContext *context*,int *index*){

            return ListTile(

*title*: Text('item $*index*'),

*onTap*: (){

                print("tapped on item $*index*");

              },

          );

          },

        ),

     ),

);

}

}

Stack View

import 'package:flutter/material.dart';

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

class MyApp extends StatelessWidget {

  final List<String> items = ['Item 1', 'Item 2', 'Item 3', 'Item 4'];

  @override

  Widget build(BuildContext *context*) {

    return MaterialApp(

*home*: Scaffold(

*appBar*: AppBar(*title*: Text('stackview'),),

*body*:Center(

*child*: Stack(

*children*: [

              Container(*width*: 200, *height*: 200, *color*: Colors.blue,),

              Positioned(

*top*: 50,

*left*: 50,

*child*: Container(*width*: 100,*height*: 100,*color*:Colors.red),),

            ],

          ),

        ),

)

    );

}

}

Card view

import 'package:flutter/material.dart';

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

class MyApp extends StatelessWidget {

  final List<String> items = ['Item 1', 'Item 2', 'Item 3', 'Item 4'];

  @override

  Widget build(BuildContext *context*) {

    return MaterialApp(

*home*: Scaffold(

*appBar*: AppBar(*title*: Text('cardview'),),

*body*: Center(

*child*: Card(

*elevation*: 4,

           //color: Colors.red,

*child*: Padding(

*padding*: EdgeInsets.all(20),

*child*: Text('card widget'),),

          ),

        ),

      ),

    );

}

}

List tile

import 'package:flutter/material.dart';

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

class MyApp extends StatelessWidget {

  final List<String> items = ['Item 1', 'Item 2', 'Item 3', 'Item 4'];

  @override

  Widget build(BuildContext *context*) {

    return MaterialApp(

*home*: Scaffold(

*appBar*:AppBar(*title*: Text('list title widget'),) ,

*body*: Center(

*child*: ListTile(

*leading*: Icon(Icons.account\_circle),

*title*: Text('Harshada Desai'),

*subtitle*: Text('abc@gmail.com'),

*trailing*: Icon(Icons.arrow\_forward),

*onTap*: (){

              print("list tile tapped");

            },

          )

        ),

        ),

      );

}

}

Icons

import 'package:flutter/cupertino.dart';

import 'package:flutter/material.dart';

import 'package:flutter/widgets.dart';

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

class MyApp extends StatelessWidget {

  final List<String> items = ['Item 1', 'Item 2', 'Item 3', 'Item 4'];

  @override

  Widget build(BuildContext *context*) {

    return MaterialApp(

*home*: Scaffold(

*appBar*:AppBar(*title*: Text('flutter icons '),) ,

*body*: Center(

*child*:Column(

*children*: [

              Icon(Icons.favorite),

              Icon(Icons.audiotrack),

              Icon(Icons.beach\_access),

            ],

          )

        ),

      )

      );

}

}

Routing and navigation

import 'dart:html';

import 'package:flutter/material.dart';

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

class MyApp extends StatelessWidget{

  @override

  Widget build (BuildContext *context*){

    return MaterialApp(

*initialRoute*: '/',

*routes*: {

        '/' : (*context*)=>HomeScreen(),

        '/detailed':(*context*)=>DetailedScreen(),

      },

    );

  }

}

class HomeScreen extends StatelessWidget{

  @override

  Widget build (BuildContext *context*){

    return Scaffold(

*appBar*: AppBar(

*title*: Text('home page '),),

*body*: Center(

*child*:ElevatedButton(

*child*: Text('go to details'),

*onPressed*:(){

              Navigator.pushNamed(*context*,'/detailed');

            } ,

          ) ,),

    );

  }

}

class DetailedScreen extends StatelessWidget{

  @override

  Widget build (BuildContext *context*){

    return Scaffold(

*appBar*: AppBar(

*title*: Text('detailed page '),),

*body*: Center(

*child*:ElevatedButton(

*child*: Text('go back'),

*onPressed*:(){

              Navigator.pop(*context*,'/home');

            } ,

          ) ,),

    );

  }

}

Gesture

import 'package:flutter/material.dart';

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

class MyApp extends StatelessWidget {

  @override

  Widget build(BuildContext *context*) {

    return MaterialApp(

*home*: Scaffold(

*appBar*: AppBar(*title*: Text('gesture example'),),

*body*: Center(

*child*: GestureDetector(

*onTap*:() {

              print('tap me');

            },

*child*: Container(

*width*: 200,

*height*: 200,

*color*: Colors.blue,

*child*: Center(

*child*: Text('done'),

              ),

            ),

          ),

        ),

      ),

);

}

}

Icons