Creating First Application with AppBar and Single Child

import 'package:flutter/material.dart';

void main() {

  runApp(const MyApp());

}

class MyApp extends StatelessWidget {

  const MyApp({*super*.key});

  @override

  Widget build(BuildContext context) {

    return MaterialApp(

      home: Scaffold(

        appBar: AppBar(

          title: const Text('First Application'),

        ),

        body: const Center(

          child: Text('Hello World'),

          )

      )

    );

  }

}

AppBar with MultiChild in Column wrap

import 'package:flutter/material.dart';

void main() {

  runApp(const MyApp());

}

class MyApp extends StatelessWidget {

  const MyApp({*super*.key});

  @override

  Widget build(BuildContext context) {

    return MaterialApp(

      home: Scaffold(

        appBar: AppBar(

          title: const Text('First Application'),

        ),

        body: Column(

          children: const [

                Text('Hello World'),

                Text('Hello World'),

                Text('Hello World'),

          ],

        )

      )

    );

  }

}

AppBar with MultiChild in Row Wrap

import 'package:flutter/material.dart';

void main() {

  runApp(const MyApp());

}

class MyApp extends StatelessWidget {

  const MyApp({*super*.key});

  @override

  Widget build(BuildContext context) {

    return MaterialApp(

      home: Scaffold(

        appBar: AppBar(

          title: const Text('First Application'),

        ),

        body: Row(

              children: const [

                    Text('Hello World'),

                    Text('Hello World'),

                    Text('Hello World'),

              ],

        )

      )

    );

  }

}

Container

import 'package:flutter/material.dart';

void main() {

  runApp(const MyApp());

}

class MyApp extends StatelessWidget {

  const MyApp({*super*.key});

  @override

  Widget build(BuildContext context) {

    return MaterialApp(

      home: Scaffold(

        appBar: AppBar(

          title: const Text('First Application'),

        ),

        body: Container(

          width: 200,

          height: 200,

          color: Colors.amber,

          child: const Text('Container'),

        )

      )

    );

  }

}

TextButton

import 'package:flutter/material.dart';

void main() {

  runApp(const MyApp());

}

void \_onpressed(){

  print('Buton Presed');

}

class MyApp extends StatelessWidget {

  const MyApp({*super*.key});

  @override

  Widget build(BuildContext context) {

    return MaterialApp(

      home: Scaffold(

        appBar: AppBar(

          title: const Text('First Application'),

        ),

        body: Row(

          children: [

            TextButton(onPressed: \_onpressed , child: Text('TextButton'))

          ],

        )

      )

    );

  }

}

Elevated Buton

import 'package:flutter/material.dart';

void main() {

  runApp(const MyApp());

}

void \_onpressed(){

  print('Buton Presed');

}

class MyApp extends StatelessWidget {

  const MyApp({*super*.key});

  @override

  Widget build(BuildContext context) {

    return MaterialApp(

      home: Scaffold(

        appBar: AppBar(

          title: const Text('First Application'),

        ),

        body: Row(

          children: [

            ElevatedButton(onPressed: \_onpressed , child: Text('TextButton'))

          ],

        )

      )

    );

  }

}

Outlined Button

import 'package:flutter/material.dart';

void main() {

  runApp(const MyApp());

}

void \_onpressed(){

  print('Buton Presed');

}

class MyApp extends StatelessWidget {

  const MyApp({*super*.key});

  @override

  Widget build(BuildContext context) {

    return MaterialApp(

      home: Scaffold(

        appBar: AppBar(

          title: const Text('First Application'),

        ),

        body: Row(

          children: [

            OutlinedButton(onPressed: \_onpressed , child: Text('TextButton'))

          ],

        )

      )

    );

  }

}

TextStyle

import 'package:flutter/material.dart';

void main() {

  runApp(const MyApp());

}

void \_onpressed(){

  print('Buton Presed');

}

class MyApp extends StatelessWidget {

  const MyApp({*super*.key});

  @override

  Widget build(BuildContext context) {

    return MaterialApp(

      home: Scaffold(

        appBar: AppBar(

          title: const Text('First Application'),

        ),

        body: Row(

          children: [

            OutlinedButton(onPressed: \_onpressed , child: Text('TextButton',

            style: TextStyle(color: Colors.amber, fontSize: 28),

            ))

          ],

        )

      )

    );

  }

}

ListView

import 'package:flutter/material.dart';

void main() {

  runApp(MyApp());

}

void \_onpressed(){

  print('Buton Presed');

}

class MyApp extends StatelessWidget {

  final List<String> items = ['Items 1', 'Items 2', 'Items3'];

  MyApp({*super*.key});

  @override

  Widget build(BuildContext context) {

    return MaterialApp(

      home: Scaffold(

        appBar: AppBar(

          title: const Text('First Application'),

        ),

        body: ListView(

          children: [

            for (var item in items)

            Row(

              children:[

                Icon(Icons.check),

                Text(item),

              ],

            )

          ],

        )

        )

      );

  }

}

Drawer

import 'package:flutter/material.dart';

void main() {

  runApp(MyApp());

}

void \_onpressed(){

  print('Buton Presed');

}

class MyApp extends StatelessWidget {

  final List<String> items = ['Items 1', 'Items 2', 'Items3'];

  MyApp({*super*.key});

  @override

  Widget build(BuildContext context) {

    return MaterialApp(

      home: Scaffold(

        appBar: AppBar(

          title: const Text('First Application'),

        ),

        drawer: Drawer(

          child: ListView(

            children: const [

              UserAccountsDrawerHeader(

                accountName: Text("Kumaran"),

                accountEmail: Text("thevarmit221@gst.sies.edu.in"),

                currentAccountPicture: CircleAvatar(

                  child: Text('KK'),

                ),

                ),

                ListTile(

                  title: Text("Mailpage"),

                  leading: Icon(Icons.mail),

                )

            ],

          )

        ),

        body: ListView(

          children: [

            for (var item in items)

            Row(

              children:[

                Icon(Icons.check),

                Text(item),

              ],

            )

          ],

        )

        )

      );

  }

}

Images

import 'package:flutter/material.dart';

void main() {

  runApp(MyApp());

}

class MyApp extends StatelessWidget {

  final List<String> items = ['Items 1', 'Items 2', 'Items3'];

  MyApp({*super*.key});

  @override

  Widget build(BuildContext context) {

    return MaterialApp(

      debugShowCheckedModeBanner: false,

      home: Scaffold(

        appBar: AppBar(

          title: const Text('First Application'),

        ),

        drawer: Drawer(

          child: ListView(

            children: const [

              UserAccountsDrawerHeader(

                accountName: Text("Kumaran"),

                accountEmail: Text("thevarmit221@gst.sies.edu.in"),

                currentAccountPicture: CircleAvatar(

                  child: Text('KK'),

                ),

                ),

                ListTile(

                  title: Text("Mailpage"),

                  leading: Icon(Icons.mail),

                )

            ],

          )

        ),

        body: Center(

          child: Image.network("https://yt3.googleusercontent.com/ytc/AGIKgqM8zh66fZqGKeTkopHaU9GM4zvyuFnQhXThr37u=s900-c-k-c0x00ffffff-no-rj"),

          )

        )

      );

  }

}

Form with validation

import 'package:flutter/material.dart';

void main() { runApp(const MyApp());

}

class MyApp extends StatelessWidget {

const MyApp({Key? key}) : *super*(key: key);

*// This widget is the root of your application. @override*

Widget build(BuildContext context) {

const appTitle = 'Form Validation Demo';

return MaterialApp( title: appTitle, home: Scaffold(

appBar: AppBar(

title: const Text(appTitle),

),

body: const MycustomForm(),

),

);

}

}

class MycustomForm extends StatefulWidget {

const MycustomForm({Key? key}) : *super*(key: key);

@override

MyCustomFormState createState() { return MyCustomFormState();

}

}

class MyCustomFormState extends State<MycustomForm> { final \_formKey = GlobalKey<FormState>();

 @override

Widget build(BuildContext context) { return Form(

key: \_formKey,

child: Column(crossAxisAlignment: CrossAxisAlignment.start, children: [ TextFormField(

decoration: const InputDecoration( icon: Icon(Icons.person), labelText: 'Username',

hintText: 'Enter your Username',

),

validator: (value) {

if (value == null || value.isEmpty) { return 'please enter some text';

}

return null;

}),

TextFormField(

decoration: const InputDecoration( icon: Icon(Icons.calendar\_today), labelText: 'Date',

hintText: 'Enter the Date',

),

validator: (value) {

if (value == null || value.isEmpty) { return 'please enter some text';

}

return null;

}),

TextFormField(

decoration: const InputDecoration( icon: Icon(Icons.key), labelText: 'Password', hintText: 'Enter your password',

),

validator: (value) {

if (value == null || value.isEmpty) { return 'please enter some text';

}

return null;

}),

ElevatedButton( onPressed: () {

if (\_formKey.currentState!.validate()) { ScaffoldMessenger.of(context).showSnackBar(

const SnackBar(content: Text('Processing Data')),

);

}

},

child: const Text('submit'),

),

]), );

}

}

Navigation

import 'package:flutter/material.dart';

void main() {

  runApp(MyApp());

}

class MyApp extends StatelessWidget {

  @override

  Widget build(BuildContext context) {

    return MaterialApp(

      title: 'Bottom Navigation Bar Example',

      theme: ThemeData(

        primarySwatch: Colors.blue,

      ),

      home: MyHomePage(),

    );

  }

}

class MyHomePage extends StatefulWidget {

  @override

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

}

class \_MyHomePageState extends State<MyHomePage> {

  int \_selectedIndex = 0;

  static List<Widget> \_widgetOptions = <Widget>[

    Text('Home'),

    Text('Favorites'),

    Text('Profile'),

  ];

  void \_onItemTapped(int index) {

    setState(() {

      \_selectedIndex = index;

    });

  }

  @override

  Widget build(BuildContext context) {

    return Scaffold(

      appBar: AppBar(

        title: Text('Bottom Navigation Bar Example'),

      ),

      body: Center(

        child: \_widgetOptions.elementAt(\_selectedIndex),

      ),

      bottomNavigationBar: BottomNavigationBar(

        items: [

          BottomNavigationBarItem(

            icon: Icon(Icons.home),

            label: 'Home',

          ),

          BottomNavigationBarItem(

            icon: Icon(Icons.favorite),

            label: 'Favorites',

          ),

          BottomNavigationBarItem(

            icon: Icon(Icons.person),

            label: 'Profile',

          ),

        ],

        currentIndex: \_selectedIndex,

        onTap: \_onItemTapped,

      ),

    );

  }

}

Gestures

import 'package:flutter/material.dart';

void main() {

  runApp(MyApp());

}

class MyApp extends StatelessWidget {

  @override

  Widget build(BuildContext context) {

    return MaterialApp(

      title: 'Single Button with Gesture Example',

      home: Center(child: GestureDetector(

        onTap: () {print('Button Pressed');},

        child: Container(

          padding: EdgeInsets.symmetric(vertical: 8, horizontal: 7),

          decoration: BoxDecoration(

            borderRadius: BorderRadius.circular(15),

            color: Colors.blue,

          ),

          child: const Text("Press Me", style: TextStyle(color: Colors.white),),

        ),

      )),

    );

  }

}