**import 'dart:async'**;  
**import 'dart:convert'**;  
  
**import 'package:flutter/material.dart'**;  
**import 'package:http/http.dart' as** http;  
  
String number = **'1'**;  
String typeVal = **'values'**;  
String catVal = **""**;  
  
Future<PostingJoke> fetchPostJoke() **async** {  
 **final** response =  
 **await** http.get(**'https://api.chucknorris.io/jokes/random?category=**$catVal**'**);  
  
 **return** PostingJoke.fromJson(json.decode(response.**body**));  
  
}  
  
Future<Cats> fetchCats() **async** {  
 **final** response =  
 **await** http.get(**"https://api.chucknorris.io/jokes/categories"**);  
  
 **return** Cats.fromJson(json.decode(response.**body**));  
}  
  
**class** Cats{  
 **final** List<String> **catList**;  
  
 Cats({**this**.**catList**});  
  
 **factory** Cats.fromJson(List<**dynamic**> json){  
 **return**(Cats(catList: json.cast<String>().toList()));  
 }  
}  
  
**class** PostingJoke{  
 **final** String **value**;  
  
 PostingJoke({**this**.**value**});  
  
 **factory** PostingJoke.fromJson(Map<String, **dynamic**> json) {  
 **return** PostingJoke(  
 value: json[**'value'**]  
 );  
 }  
  
}  
  
**void** main() => runApp(app());  
  
**class** MyApp **extends** StatelessWidget {  
  
 @override  
 Widget build(BuildContext context) {  
 print(**"**$number**"**);  
 **return** MaterialApp(  
 debugShowCheckedModeBanner: **false**,  
 home: Scaffold(appBar: AppBar(),  
 body: Text(**"hello"**),  
 )  
 );  
 }  
}  
  
**class** StateMainPage **extends** StatefulWidget{  
 @override  
 createState() => **new** MainPage();  
}  
  
**class** app **extends** StatelessWidget{  
 @override  
 Widget build(BuildContext context){  
 **return** MaterialApp(  
 debugShowCheckedModeBanner: **false**,  
 title: **'Chuck Norris Jokes'**,  
 home: StateMainPage()  
 );  
 }  
}  
  
**class** CatPageState **extends** StatefulWidget{  
 @override  
 createState() => **new** CatsPage();  
}  
  
**class** CatsPage **extends** State<CatPageState>{  
  
 Future<Cats> **postCats** = fetchCats();  
  
 List<String> **catscats**;  
  
 *//List<DropdownMenuItem<String>> dropcats = [];* Widget build(BuildContext context){  
 **return** Scaffold(appBar: AppBar(title: Text(**"Categories"**),),  
 body: Container(  
 child: FutureBuilder<Cats>(future: **postCats**,  
 builder: (context, snapshot){  
 **if**(snapshot.**hasData**){  
  
 List <String> catList = snapshot.**data**.**catList**;  
  
  
 **return** Container(  
 child: ListView.builder(  
 itemCount: catList.**length**,  
 itemBuilder: (context, index){  
 String temp = **""**;  
 **if** (catList[index] != **'any'**){  
 temp = catList[index];  
 }  
 **return** ListTile(title: Text(**"**$temp**"**),  
 contentPadding: **const** EdgeInsets.all(10.0),  
 onTap: () {  
 catVal = temp;  
 Navigator.*push*(context,  
 MaterialPageRoute(builder: (context) => RandomJokes(postJoke:fetchPostJoke()))  
 );  
 print(**"**$catVal**"**);  
 },  
 );  
 },  
 )  
 );  
 }**else if**(snapshot.**hasError**){  
 **return** Container(child: Text(**"something went wrong :("**));  
 }  
 **return** Center(child:CircularProgressIndicator());  
  
 }  
  
 ,  
 )  
 ),  
 );  
 }  
  
}  
  
  
**class** MainPage **extends** State<StateMainPage>{  
  
 **final formKey** = GlobalKey<FormState>();  
  
 Widget categoryDrop(BuildContext context){  
  
 **final** \_Font = **const** TextStyle(fontSize: 15.0);  
  
 **return** Container(  
 child: RaisedButton(  
 child: **new** Text(**"Categories"**),  
 padding: EdgeInsets.all(8.0),  
 onPressed: (){  
 **final** catPage = MaterialPageRoute(builder: (context) => CatPageState());  
 Navigator.*push*(context, catPage);  
 },  
 shape: RoundedRectangleBorder(borderRadius: BorderRadius.circular(30.0)),  
 )  
 );  
 }  
  
 Widget randomButton(BuildContext context){  
 **return** Container(child: RaisedButton(child: **new** Text(**"Random Joke"**), padding: EdgeInsets.all(8.0),  
 onPressed: (){  
 **final** welcomeScreen = MaterialPageRoute(builder: (context) => RandomJokes(postJoke:fetchPostJoke()));  
 Navigator.*push*(context, welcomeScreen);  
 },  
 shape: RoundedRectangleBorder(borderRadius: BorderRadius.circular(30.0))  
 ),  
 margin: **const** EdgeInsets.all(20.0));  
 }  
  
 Widget build(BuildContext context){  
  
 **return** Form(key: **formKey**,  
 child:Scaffold(  
 appBar: AppBar(title: Text(**"Chuck Norris Jokes"**),),  
 body: Container(child:Center(child:Column(children: [categoryDrop(context),randomButton(context)],  
 mainAxisAlignment: MainAxisAlignment.**center**,  
 crossAxisAlignment: CrossAxisAlignment.**center** ),  
 ),  
 margin: **const** EdgeInsets.all(32.0),  
 ))  
 );  
 }  
}  
  
  
  
  
**class** RandomJokes **extends** StatelessWidget{  
 Future<PostingJoke> **postJoke**;  
  
 RandomJokes({Key key, **this**.**postJoke**}) : **super**(key: key);  
  
 Widget build(BuildContext context){  
  
 **final** \_biggerFont = TextStyle(fontSize: 20.0,fontWeight: FontWeight.*bold*);  
 **final** \_catFont = TextStyle(fontSize: 15.0);  
  
 **return** Scaffold(appBar: AppBar(title: Text(**"** ${catVal}**"**),),  
 body:Container(child: FutureBuilder<PostingJoke>(  
 future: **postJoke**,  
 builder: (context, snapshot){  
 **if** (snapshot.**hasData**) {  
 **return** Container(child:Center(child:Column(children:[  
 Text(**"**${snapshot.**data**.**value**}**"**,style: \_biggerFont),  
 Text(**"**$catVal**"**,style: \_catFont,textAlign: TextAlign.**left**)  
 ],  
 crossAxisAlignment: CrossAxisAlignment.**center**,  
 mainAxisAlignment: MainAxisAlignment.**center**,  
 ),  
 ),  
 margin: EdgeInsets.all(32.0)  
 );  
 } **else if** (snapshot.**hasError**) {  
 **return** Text(**"something went wrong :("**);  
 }  
 **return** Center(child:CircularProgressIndicator());  
 }  
 )  
 )  
 );  
 }  
  
}