# 2.2 AppBar

# Android Estudio V3.0.17/Flutter

Objetivo:Bucear

F.Creación: 9-4-2018

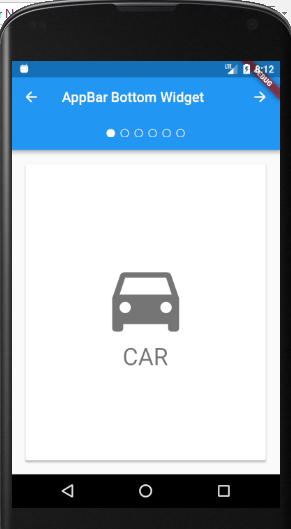
Programa:

Fuente: [Fuente de Flutter](https://github.com/flutter/flutter)

[Material dart](https://material.io/guidelines/components/tabs.html)

# flutter-master\examples\catalog\lib

## 2.2 app\_bar\_bottom.dart



Librería **import 'package:flutter/material.dart'**;

En 1.23 aparece un ejemplo más fácil

## La llamada inicial

**class** \_AppEstado **extends** State<Principal> **with** SingleTickerProviderStateMixin {

TabController **\_tabController**;  
  
@override  
**void** initState() {  
 **super**.initState();  
 **\_tabController** = **new** TabController(vsync: **this**, length: choices.**length**);  
}  
  
@override  
**void** dispose() {  
 **\_tabController**.dispose();  
 **super**.dispose();  
}

**void** \_nextPage(int delta) {  
 **final** int newIndex = **\_tabController**.**index** + delta;  
 **if** (newIndex < 0 || newIndex >= **\_tabController**.**length**)  
 **return**;  
 **\_tabController**.animateTo(newIndex);  
}

\_nextPage, logra que el index se mueva dentro de un rango

**const** List<Choice> choices = **const** <Choice>[  
 **const** Choice(title: **'CAR'**, icon: Icons.*directions\_car*),  
];

## El Main

@override  
Widget build(BuildContext context) {  
 **return new** MaterialApp(  
 home: **new** Scaffold(  
 appBar: **new** AppBar(  
 title: **const** Text(**'AppBar Bottom Widget'**),  
 leading: **new** IconButton(  
 tooltip: **'Previous choice'**,  
 icon: **const** Icon(Icons.*arrow\_back*),  
 onPressed: () { \_nextPage(-1); },  
 ),  
 actions: <Widget>[  
 **new** IconButton(  
 icon: **const** Icon(Icons.*arrow\_forward*),  
 tooltip: **'Next choice'**,  
 onPressed: () { \_nextPage(1); },  
 ),  
 ],  
 bottom: **new** PreferredSize(  
 preferredSize: **const** Size.fromHeight(48.0),  
 child: **new** Theme(  
 data: Theme.*of*(context).copyWith(accentColor: Colors.*white*),  
 child: **new** Container(  
 height: 48.0,  
 alignment: Alignment.*center*,  
 child: **new** TabPageSelector(controller: **\_tabController**),  
 ),  
 ),  
 ),  
 ),  
 body: **new** TabBarView(  
 controller: **\_tabController**,  
 children: choices.map((Choice choice) {  
 **return new** Padding(  
 padding: **const** EdgeInsets.all(16.0),  
 child: **new** ChoiceCard(choice: choice),  
 );  
 }).toList(),  
 ),  
 ),  
 );  
}

PreferredSize🡪Es un widget con tamaño privilegiado

Theme🡪 Aplica un tema a windget descendientes

Botton🡪 Tiene que ser PreferredSize

El programa completo

**import 'package:flutter/material.dart'**;  
  
  
**void** main() {  
 runApp(**new** Principal());  
}  
  
**class** Principal **extends** StatefulWidget {  
 @override  
 \_AppEstado createState() => **new** \_AppEstado();  
}  
  
**class** \_AppEstado **extends** State<Principal> **with** SingleTickerProviderStateMixin {  
 TabController **\_tabController**;  
  
 @override  
 **void** initState() {  
 **super**.initState();  
 **\_tabController** = **new** TabController(vsync: **this**, length: choices.**length**);  
 }  
  
 @override  
 **void** dispose() {  
 **\_tabController**.dispose();  
 **super**.dispose();  
 }  
  
 **void** \_nextPage(int delta) {  
 **final** int newIndex = **\_tabController**.**index** + delta;  
 **if** (newIndex < 0 || newIndex >= **\_tabController**.**length**)  
 **return**;  
 **\_tabController**.animateTo(newIndex);  
 }  
  
 @override  
 Widget build(BuildContext context) {  
 **return new** MaterialApp(  
 home: **new** Scaffold(  
 appBar: **new** AppBar(  
 title: **const** Text(**'AppBar Bottom Widget'**),  
 leading: **new** IconButton(  
 tooltip: **'Previous choice'**,  
 icon: **const** Icon(Icons.*arrow\_back*),  
 onPressed: () { \_nextPage(-1); },  
 ),  
 actions: <Widget>[  
 **new** IconButton(  
 icon: **const** Icon(Icons.*arrow\_forward*),  
 tooltip: **'Next choice'**,  
 onPressed: () { \_nextPage(1); },  
 ),  
 ],  
 bottom: **new** PreferredSize(  
 preferredSize: **const** Size.fromHeight(48.0),  
 child: **new** Theme(  
 data: Theme.*of*(context).copyWith(accentColor: Colors.*white*),  
 child: **new** Container(  
 height: 48.0,  
 alignment: Alignment.*center*,  
 child: **new** TabPageSelector(controller: **\_tabController**),  
 ),  
 ),  
 ),  
 ),  
 body: **new** TabBarView(  
 controller: **\_tabController**,  
 children: choices.map((Choice choice) {  
 **return new** Padding(  
 padding: **const** EdgeInsets.all(16.0),  
 child: **new** ChoiceCard(choice: choice),  
 );  
 }).toList(),  
 ),  
 ),  
 );  
 }  
}  
  
**class** Choice {  
 **const** Choice({ **this**.**title**, **this**.**icon** });  
 **final** String **title**;  
 **final** IconData **icon**;  
}  
  
**const** List<Choice> choices = **const** <Choice>[  
 **const** Choice(title: **'CAR'**, icon: Icons.*directions\_car*),  
 **const** Choice(title: **'BICYCLE'**, icon: Icons.*directions\_bike*),  
 **const** Choice(title: **'BOAT'**, icon: Icons.*directions\_boat*),  
 **const** Choice(title: **'BUS'**, icon: Icons.*directions\_bus*),  
 **const** Choice(title: **'TRAIN'**, icon: Icons.*directions\_railway*),  
 **const** Choice(title: **'WALK'**, icon: Icons.*directions\_walk*),  
];  
  
**class** ChoiceCard **extends** StatelessWidget {  
 **const** ChoiceCard({ Key key, **this**.**choice** }) : **super**(key: key);  
  
 **final** Choice **choice**;  
  
 @override  
 Widget build(BuildContext context) {  
 **final** TextStyle textStyle = Theme.*of*(context).**textTheme**.**display1**;  
 **return new** Card(  
 color: Colors.*white*,  
 child: **new** Center(  
 child: **new** Column(  
 mainAxisSize: MainAxisSize.**min**,  
 crossAxisAlignment: CrossAxisAlignment.**center**,  
 children: <Widget>[  
 **new** Icon(**choice**.**icon**, size: 128.0, color: textStyle.**color**),  
 **new** Text(**choice**.**title**, style: textStyle),  
 ],  
 ),  
 ),  
 );  
 }  
}  
  
  
*/\*  
Sample Catalog  
  
Title: AppBar with a custom bottom widget.  
  
Summary: An AppBar that includes a bottom widget. Any widget  
with a PreferredSize can appear at the bottom of an AppBar.  
  
Summary: Any widget with a PreferredSize can appear at the bottom of an AppBar.  
  
Description:  
Typically an AppBar's bottom widget is a TabBar however any widget with a  
PreferredSize can be used. In this app, the app bar's bottom widget is a  
TabPageSelector that displays the relative position of the selected page  
in the app's TabBarView. The arrow buttons in the toolbar part of the app  
bar and they select the previous or the next page.  
  
Classes: AppBar, PreferredSize, TabBarView, TabController  
  
Sample: AppBarBottomSample  
  
See also:  
 - The "Components-Tabs" section of the material design specification:  
 <https://material.io/guidelines/components/tabs.html>  
\*/*