

BottomNavigationBar Widget in Flutter

The **BottomNavigationBar** widget is used to show the bottom of an app. It can consist of multiple items such as icons, text, or both that leads to a different route depending upon the design of the application. It is meant to help the user navigate to different sections of the application in general.

Constructors:

Syntax:

```
BottomNavigationBar(  
  {Key key,  
  @required List<BottomNavigationBarItem> items,  
  ValueChanged<int> onTap,  
  int currentIndex: 0,  
  double elevation,  
  BottomNavigationBarType type,  
  Color fixedColor,  
  Color backgroundColor,  
  double iconSize: 24.0,  
  Color selectedItemColor,  
  Color unselectedItemColor,  
  IconData selectedIconTheme,  
  IconData unselectedIconTheme,  
  double selectedFontSize: 14.0,  
  double unselectedFontSize: 12.0,  
  TextStyle selectedLabelStyle,  
  TextStyle unselectedLabelStyle,  
  bool showSelectedLabels: true,  
  bool showUnselectedLabels,  
  MouseCursor mouseCursor})
```

Properties:

- **hashCode:** The hash code for this object.

- **key:** Controls how one widget replaces another widget in the tree.
- **runtimeType:** A representation of the runtime type of the object.
- **backgroundcolor:** The color of the BottomNavigationBar itself.
- **elevation:** The z-coordinate of this BottomNavigationBar.
- **fixedcolor:** The z-coordinate of this BottomNavigationBar.
- **items:** Defines the appearance of the button items that are arrayed within the bottom navigation bar.
- **onTap:** Called when one of the items is tapped.
- **currentIndex:** This property takes an *int* value as the object to assign index to the items.
- **fixedcolor:** This property takes in *Color* class as the object to assign a fixed value to the *SelectedItemColor*.
- **iconSize:** It takes a *double* value as the object to determine the size of all the icons in the *BottomNavigationBar*.
- **mouseCursor:** The *mouseCursor* property takes *MouseCursor* class as the object. It determines the type of cursor this widget will have.
- **selectedFontSize:** This property controls the font size in the *BottomNavigationBar* when the items are selected. It takes a *double* value as the object.
- **selectedIconTheme:** This property holds *IconThemeData* class as the object to controls the appearance of the icons this widget when it is selected.
- **selectedIconColor:** This property determines the color of the icons inside this widget will hold when they are selected. This property takes *Color* class as the property.
- **selectedLabelStyle:** *TextStyle* class is the object assigned to this property which controls the text style at the instance of selection.
- **showSelectedLabel:** This property takes a *boolean* value as the object to determine whether or not the labels for the unselected item will be shown.
- **showUnselectedLabels:** This property also takes in a *boolean* value as the object to determine whether or not the labels for selected items will be shown.

- **type:** The *type* property controls the behaviour and the layout of the BottomNavigationBar. It takes BottomNavigationBarType enum as the object.
- **unselectedFontSize:** This property also takes a *double* value as the object to determine the size of font when the item is not selected.
- **unselectedIconTheme:** This property also holds *IconThemeData* class as the object to controls the appearance of the icons this widget when it is unselected or not selected.
- **unselectedItemColor:** This property determines the color the icons inside this widget will hold when they are unselected. This property takes *Color* class as the property.
- **unselectedLabelStyle:** *TextStyle* class is the object assigned to this property which controls the text style when the item is unselected.