

flutter-assert,try/catch

Jlanglang

只要翻过 flutter 的源码.就会发现.有很多的 assert.

到底是干嘛的,

assert

例如,BottomNavigationBar

```
BottomNavigationBar({  
  Key key,  
  @required this.items,  
  this.onTap,  
  this.currentIndex = 0,  
  BottomNavigationBarType type,  
  this.fixedColor,  
  this.iconSize = 24.0,  
}) : assert(items != null),  
    assert(items.length >= 2),  
    assert(  
      items.every((BottomNavigationBarItem item) =>  
item.title != null) == true,  
      'Every item must have a non-null title',  
    ),  
    assert(0 <= currentIndex && currentIndex <  
items.length),  
    assert(iconSize != null),  
    type = type ?? (items.length <= 3 ?  
BottomNavigationBarType.fixed :  
BottomNavigationBarType.shifting),  
    super(key: key);
```

在构造方法后面,有一堆的 assert.

google 一下.

翻译过来,断言的意思.

其作用大致就是.

if的缩写.

如果 `assert(false)` 条件为 `false`.那么就会抛出异常

并且,这个玩意只在 `debug` 模式下有效.这就更爽了.

最后,`assert` 除了传判断条件以外,还可以传一个提示字符串.

也就是 `assert(x==1, 'x==1了,报错')`

正如上面贴的 `BottomNavigationBar` 代码中的一段

```
BottomNavigationBar({
  Key key,
  @required this.items,
  this.onTap,
  this.currentIndex = 0,
  BottomNavigationBarType type,
  this.fixedColor,
  this.iconSize = 24.0,
}) : assert(items != null),
     assert(items.length >= 2),
     assert(
       items.every((BottomNavigationBarItem item) => item.title != null) == true,
       'Every item must have a non-null title',
     ),
     assert(0 <= currentIndex && currentIndex < items.length),
     assert(iconSize != null),
     type = type ?? (items.length <= 3 ? BottomNavigationBarType.fixed : BottomNavigationBarType.shift
     super(key: key);

/// The interactive items laid out within the bottom navigation bar where each item has an icon and ti
final List<BottomNavigationBarItem> items;
```

try/catch

在 dart 中,可以配合一个 `on` 属性.

也就是.`on`用来判断类型,`catch`捕获

```
try {  
    ...  
} on OutOfLlamasException { // 一个具体的 Exception  
    print('只匹配OutOfLlamasException');  
} on Exception catch (e) { // 所有的 Exception  
    print('所有exception');  
} catch (e) { // 不指定错误类型，匹配所有  
    print('匹配所有');  
}
```