IOS Locators Practice

Required Practice

We are almost ready to start performing test automation over IOS apps. Before that, we must first make sure to understand how to properly identify elements using locators on IOS apps.

Check the following guide for finding elements on IOS:

Annotations:

`@iOSFindBy`: Supports only (xpaths, accessibility, ClassName)
`@iOSXCUITFindBy`: (iOSClassChain, iOsNsPredicate, xpaths, accessibility, ClassNames)

Element with Accessibility:

```
@iOSFindBy(accessibility = "ChangeShip/Dates”)
private IOSElement sailingDatesLabel;
```

Element with xpath:

```
@iOSFindBy(xpath = "//XCUIElementTypeButton[@name=’ChangeShip/Dates’]")
private IOSElement sailingDatesLabel;
@iOSXCUITFindBy(xpath =
"//XCUIElementTypeStaticText[@name='Day']/preceding-sibling::XCUIElementTypeOther[@visi
ble='true']/following-sibling::XCUIElementTypeStaticText[2]")
private IOSElement daySelected;

//XCUIElementTypeStaticText[contains(@name,'Ship Time')]
//XCUIElementTypeImage[@name='Something']/..
//XCUIElementTypeImage[@name='Something']/
```

Same element with iOSClassChain:

```
@iOSXCUITFindBy(iOSClassChain = "**/XCUIElementTypeNavigationBar[`name == 'Privacy
policy'`]/XCUIElementTypeButton")
```

iOSPredicate:

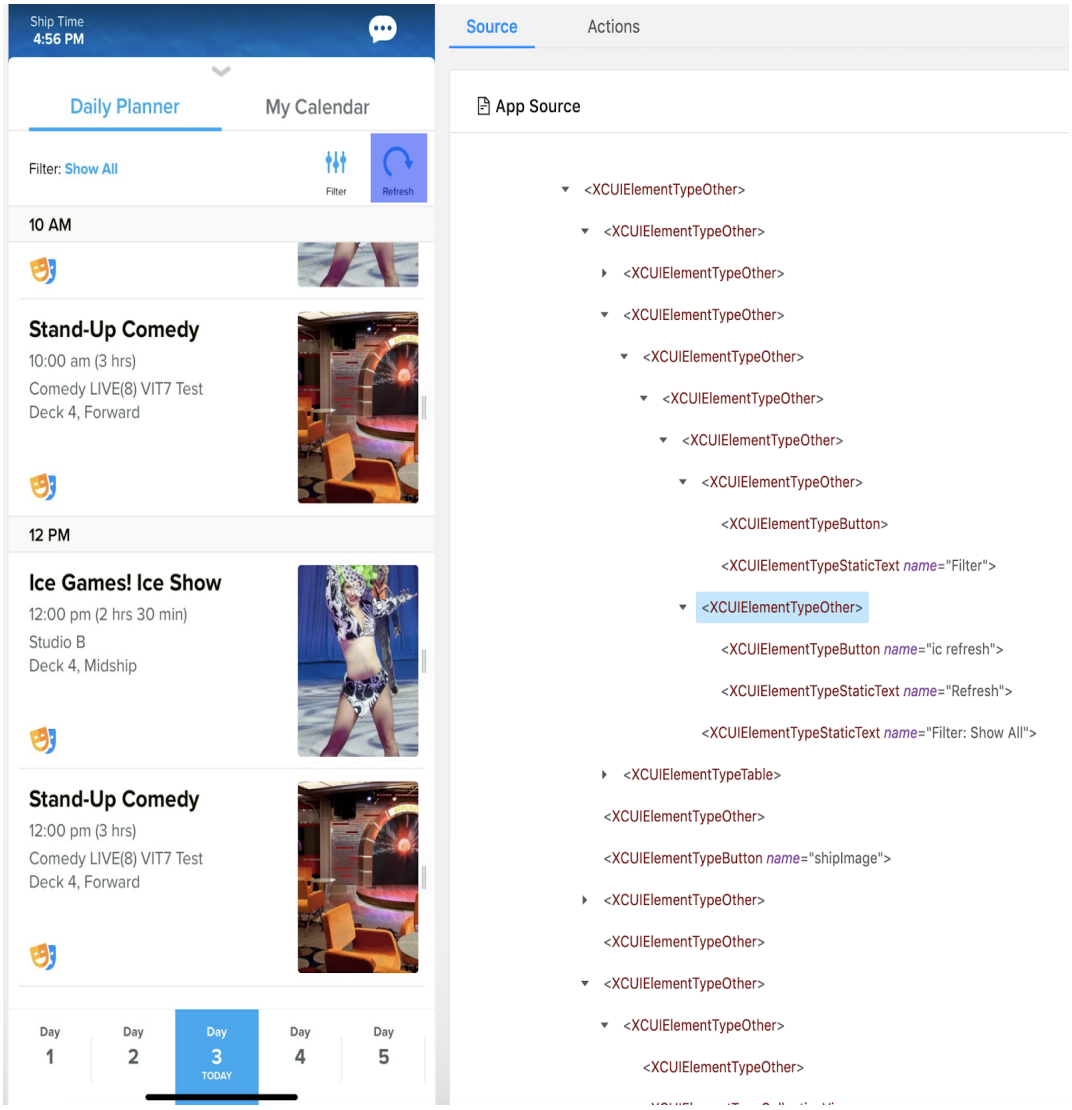
```
@iOSXCUITFindBy(iOSNsPredicate = "type == 'XCUIElementTypeStaticText' AND label
CONTAINS 'someThing'")
private IOSElement someLabel;

@iOSXCUITFindBy(iOSNsPredicate = "type == 'XCUIElementTypeOther' AND (name CONTAINS
'AM' OR name CONTAINS 'PM')")
private List<IOSElement> textHourPlannerLabel;

@iOSXCUITFindBy(iOSNsPredicate = "type == 'XCUIElementTypeStaticText' AND label
CONTAINS 'TODAY' AND visible == 1")
private IOSElement todayText;
```

After checking this, we are ready to start identifying the elements. Identify and declare on a document the locators for the following elements:

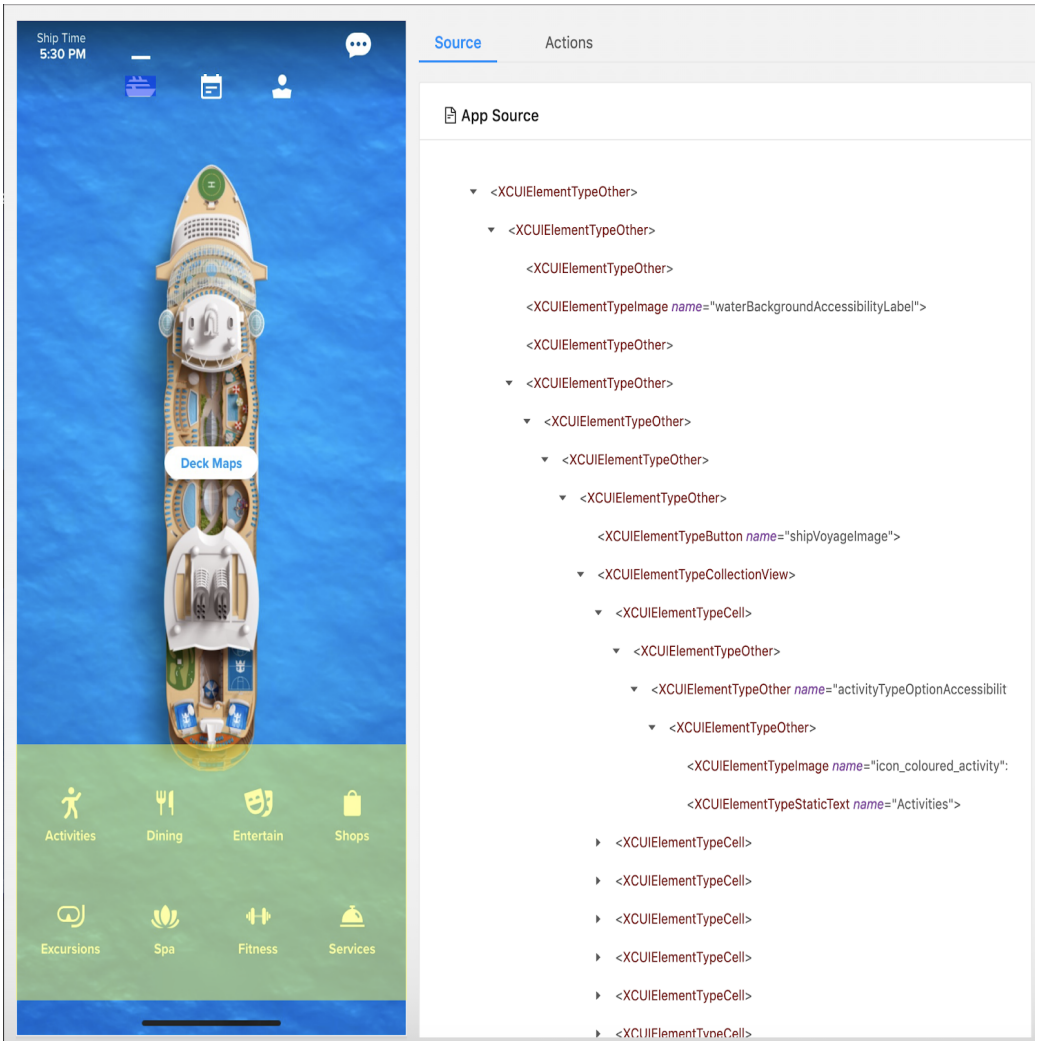
1. Identify the Refresh Text Label



Respuesta:

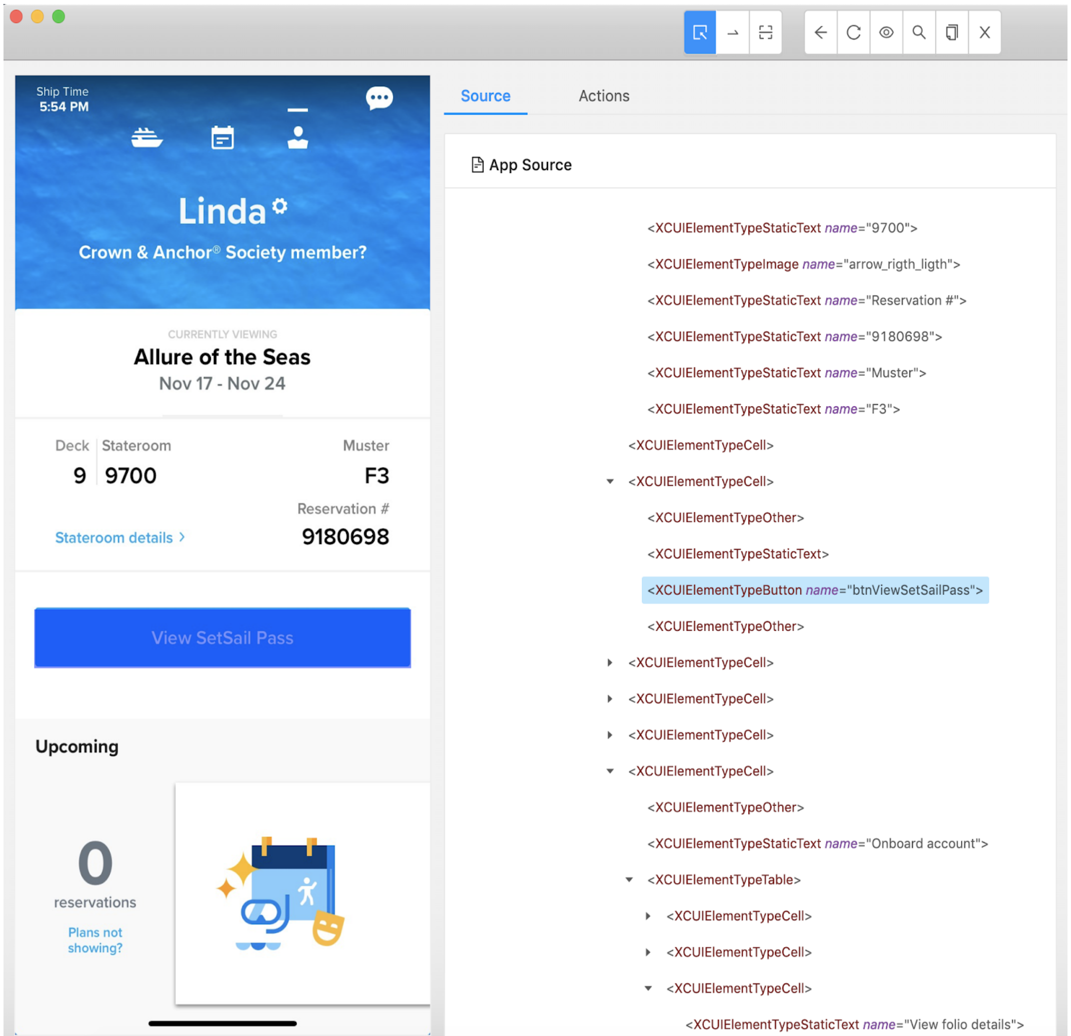
@iOSXCUITFindBy(iOSNsPredicate = "type =='XCUIElementTypeStaticText' AND name CONTAINS 'Refresh'")
private iOSElement refreshButtonText;

2. Identify the Categories Container



Respuesta
@iOSXCUITFindBy(iOSNsPredicate =
"**/XCUITElementTypeOther/XCUITElementCollectionView")
private iOSElement categoriesContainer;

3. Identify the View SetSail Pass Button



When identifying the locators, try to avoid using xpath, also, consider some elements may be referring to a parent instead of the specific element, so try to get the locators as specific as possible.

Respuesta

```
@iOSXCUITFindBy(iOSNsPredicate = "type =='XCUIElementTypeButton' AND
name CONTAINS 'btnViewSetSailPass'")
private iOSElement btnviewSetSP;
```