

## ANNOTATED DEBUGGING LOG

### 1) INITIAL LOADING OF TABLE

```
setSelected(false, false): [name='Optional("name-1")', location='Optional("addr-1")']: 0 => 0
cellForRowAtIndexPath: (row = 0)(oldRow = -1)(newRow = -1)[selected: false => false][actype: 0 => 0]
setSelected(false, false): [name='Optional("name-1")', location='Optional("addr-1")']: 0 => 0
setSelected(false, false): [name='Optional("name-2")', location='Optional("addr-2")']: 0 => 0
cellForRowAtIndexPath: (row = 1)(oldRow = -1)(newRow = -1)[selected: false => false][actype: 0 => 0]
setSelected(false, false): [name='Optional("name-2")', location='Optional("addr-2")']: 0 => 0
```

*GOOD - Neither row selected*

### 2) CLICK ON FIRST ROW (#1)

```
setSelected(true, false): [name='Optional("name-1")', location='Optional("addr-1")']: 0 => 3
### didSelectRowAtIndexPath => reloadRowsAtIndexPaths
setSelected(false, false): [name='Optional("name-1")', location='Optional("addr-1")']: 0 => 0
cellForRowAtIndexPath: (row = 0)(oldRow = -1)(newRow = 0)[selected: false => false][actype: 0 => 0]
setSelected(false, false): [name='Optional("name-1")', location='Optional("addr-1")']: 0 => 0
setSelected(true, false): [name='Optional("name-1")', location='Optional("addr-1")']: 0 => 3
didSelectRowAtIndexPath: (oldRow: (-1 => 0))(newRow = 0)[selected: (true => true)[accessory: (0 => 3)]
didSelectRowAtIndexPath: oldRow = '0'
```

*GOOD - first row selected*

### 3) CLICK ON FIRST ROW AGAIN (#2)

```
setSelected(true, false): [name='Optional("name-1")', location='Optional("addr-1")']: 3 => 3
setSelected(false, false): [name='Optional("name-1")', location='Optional("addr-1")']: 3 => 0
setSelected(true, false): [name='Optional("name-1")', location='Optional("addr-1")']: 0 => 3
### didSelectRowAtIndexPath => didDeselectRowAtIndexPath
setSelected(false, false): [name='Optional("name-1")', location='Optional("addr-1")']: 3 => 0
setSelected(false, false): [name='Optional("name-1")', location='Optional("addr-1")']: 0 => 0
setSelected(false, false): [name='Optional("name-1")', location='Optional("addr-1")']: 0 => 0
cellForRowAtIndexPath: (row = 0)(oldRow = 0)(newRow = 0)[selected: false => false][actype: 0 => 0]
setSelected(false, false): [name='Optional("name-1")', location='Optional("addr-1")']: 0 => 0
didSelectRowAtIndexPath: (oldRow: (0 => -1))(newRow = 0)[selected: (true => false)[accessory: (3 => 0)]
didSelectRowAtIndexPath: oldRow = '-1'
```

*GOOD - first row un-selected*

(continued next page)

#### 4) CLICK ON FIRST ROW AGAIN (#3) - reason for replication: Compare the logging here with that for the first time it was selected

```
setSelected(true, false): [name='Optional("name-1")', location='Optional("addr-1")']: 0 => 3
setSelected(false, false): [name='Optional("name-1")', location='Optional("addr-1")']: 3 => 0
setSelected(true, false): [name='Optional("name-1")', location='Optional("addr-1")']: 0 => 3
### didSelectRowAtIndexPath => reloadRowsAtIndexPaths
setSelected(false, false): [name='Optional("name-1")', location='Optional("addr-1")']: 3 => 0
setSelected(false, false): [name='Optional("name-1")', location='Optional("addr-1")']: 0 => 0
setSelected(false, false): [name='Optional("name-1")', location='Optional("addr-1")']: 0 => 0
cellForRowAtIndexPath: (row = 0)(oldRow = -1)(newRow = 0)[selected: false => false][actype: 0 => 0]
setSelected(false, false): [name='Optional("name-1")', location='Optional("addr-1")']: 0 => 0
setSelected(true, false): [name='Optional("name-1")', location='Optional("addr-1")']: 0 => 3
didSelectRowAtIndexPath: (oldRow: (-1 => 0))(newRow = 0)[selected: (true => true)[accessory: (3 => 3)
didSelectRowAtIndexPath: oldRow = '0'
```

**GOOD - first row selected again**

#### 5) CLICK ON FIRST ROW AGAIN (#4) - verify it works multiple times

```
setSelected(true, false): [name='Optional("name-1")', location='Optional("addr-1")']: 3 => 3
setSelected(false, false): [name='Optional("name-1")', location='Optional("addr-1")']: 3 => 0
setSelected(true, false): [name='Optional("name-1")', location='Optional("addr-1")']: 0 => 3
### didSelectRowAtIndexPath => didDeselectRowAtIndexPath
setSelected(false, false): [name='Optional("name-1")', location='Optional("addr-1")']: 3 => 0
setSelected(false, false): [name='Optional("name-1")', location='Optional("addr-1")']: 0 => 0
setSelected(false, false): [name='Optional("name-1")', location='Optional("addr-1")']: 0 => 0
cellForRowAtIndexPath: (row = 0)(oldRow = 0)(newRow = 0)[selected: false => false][actype: 0 => 0]
setSelected(false, false): [name='Optional("name-1")', location='Optional("addr-1")']: 0 => 0
didSelectRowAtIndexPath: (oldRow: (0 => -1))(newRow = 0)[selected: (true => false)[accessory: (3 => 0)
didSelectRowAtIndexPath: oldRow = '-1'
```

**GOOD - first row un-selected again**

#### 6) CLICK ON FIRST ROW AGAIN (#5) - prepare for next test

```
setSelected(true, false): [name='Optional("name-1")', location='Optional("addr-1")']: 0 => 3
setSelected(false, false): [name='Optional("name-1")', location='Optional("addr-1")']: 3 => 0
setSelected(true, false): [name='Optional("name-1")', location='Optional("addr-1")']: 0 => 3
### didSelectRowAtIndexPath => reloadRowsAtIndexPaths
setSelected(false, false): [name='Optional("name-1")', location='Optional("addr-1")']: 3 => 0
setSelected(false, false): [name='Optional("name-1")', location='Optional("addr-1")']: 0 => 0
setSelected(false, false): [name='Optional("name-1")', location='Optional("addr-1")']: 0 => 0
cellForRowAtIndexPath: (row = 0)(oldRow = -1)(newRow = 0)[selected: false => false][actype: 0 => 0]
setSelected(false, false): [name='Optional("name-1")', location='Optional("addr-1")']: 0 => 0
setSelected(true, false): [name='Optional("name-1")', location='Optional("addr-1")']: 0 => 3
didSelectRowAtIndexPath: (oldRow: (-1 => 0))(newRow = 0)[selected: (true => true)[accessory: (3 => 3)
didSelectRowAtIndexPath: oldRow = '0'
```

**GOOD - first row selected again**

(continued next page)

## 7) CLICK ON SECOND ROW (#1)

```
setSelected(true, false): [name='Optional("name-2")', location='Optional("addr-2")']: 0 => 3
setSelected(false, false): [name='Optional("name-1")', location='Optional("addr-1")']: 3 => 0
setSelected(true, false): [name='Optional("name-1")', location='Optional("addr-1")']: 0 => 3
(lldb)
```

**BAD - Throws exception: "Thread 1: EXC\_BAD\_ACCESS(code=1, address=0x8) at line 59 in accompanying code:**

```
58: override func tableView(tableView: UITableView, didDeselectRowAtIndexPath indexPath: NSIndexPath) {
59: let cell = tableView.dequeueReusableCellWithIdentifier("resultCell", forIndexPath: indexPath) as!
    ExistingLocationTableViewCell
```

Which was called from line 88

```
85:     if oldRow >= 0 {
86:         /// force deselection of old indexPath
87:         let oldIndexPath = NSIndexPath(forRow: oldRow, inSection: 1)
88:         self.tableView(tableView, didDeselectRowAtIndexPath: oldIndexPath)
89:     }
```

Same thing happens if I select second row first and then select first row

If I change the value of 'inSection' from '1' to '0' (assuming it is a zero-based value), it doesn't crash, but the behavior changes

- Clicking on first row and then second row works as desired (second row becomes selected, first row un-selected)
- Clicking on first row again doesn't do anything anymore though
- If instead, I click on second row first, clicking on first row doesn't do anything then either