



3. Easy! Easier Than Ever

- Out of the SwiftUI Box 
- Default animations
- Driven by State
 - Interactive and reversible
-  Multi-platform!



```
Item(groupTopicItem:GroupItem) {
    edGroupTopic(groupTopicItem.id) {
        sync(dispatch_get_main_queue(), { () -> Void in
            groupTopicItemList.append(groupTopicItem)
            sortedRowIndex = self.groupTopicItemList.count - 1

            rRealRowNum = self.tableView.numberOfRowsInSection(0)
            rRealRowIndex = curRealRowIndex - 1
            sortedRowIndex > rRealRowIndex {
                self.tableView.reloadData()
            }
            insert row
            self.tableView.beginUpdates()
            let insertedIndexPath:NSIndexPath = NSIndexPath(forRow: insertedRowIndex, inSection: 0)
            self.tableView.insertRowsAtIndexPaths([insertedIndexPath], withRowAnimation: UITableViewRowAnimation.Bottom)
            self.tableView.endUpdates()
        })
    }
}

insert row
self.tableView.beginUpdates()
insertedIndexPath:NSIndexPath = NSIndexPath(forRow: insertedRowIndex, inSection: 0)
self.tableView.insertRowsAtIndexPaths([insertedIndexPath], withRowAnimation: UITableViewRowAnimation.Bottom)

14 GroupTopicTableViewCell (GroupTopicTableViewCell) -> (GroupItem) -> ().(closure #1)

ViewController) 0x7b9f40d0
TopicItem) 0x7bf3ef60

failure: [NSInvalidArgumentException: Invalid update: invalid number of rows in section 0. The number of rows contained in an existing section after the update (50) must be equal to the number of rows contained in that section before the update (50), plus or minus the number of rows inserted or deleted from that section (1 inserted, 0 deleted) and plus or minus the number of rows moved into or out of that section (0 moved in, 0 moved out).]
*** First throw call stack:
(
    0 CoreFoundation 0x0143ca14
    __exceptionPreprocess + 180
    1 libobjc.A.dylib 0x0372de02
    objc_exception_throw + 50
    2 CoreFoundation 0x0143c8aa +
    [NSException raise:format:arguments:] + 138
    3 Foundation 0x01a7ed26 -
    [NSAssertionHandler handleFailureInMethod:object:file:lineNumber:description:] +
    118
)
```