UITableView

UITableViewCell

UITableViewCell Style

Default

Subtitle

Value1

Value2

TableView Cell에 이미지 추가

```swift
func tableView(_ tableView: UITableView, cellForRowAtIndexPath indexPath:
IndexPath) -> UITableViewCell {

    let cell = UITableViewCell(style: .default, reuseIdentifier: "cell")

    cell.imageView?.image = UIImage(named: arrSosi[indexPath.row])
    cell.textLabel?.text = arrName[indexPath.row]
    cell.detailTextLabel?.text = "\(indexPath.row)번째 멤버"
    return cell
}
```

Dictionary를 사용해서 cell 구성

```swift
var arrSosi = [["name":"효연", "img":"a1.jpg"],["name":"제시카", "img":"a2.jpg"],["name":"서현", "img":"a3.jpg"],["name":"수영", "img":"a4.jpg"],["name":"써니", "img":"a5.jpg"],
["name":"태연", "img":"a6.jpg"],["name":"티파니", "img":"a7.jpg"],["name":"윤아",
"img":"a8.jpg"],["name":"유리", "img":"a9.jpg"]]

override func viewDidLoad() {
    super.viewDidLoad()
    tableView.dataSource = self
}

func tableView(_ tableView: UITableView, numberOfRowsInSection section: Int) -> Int {
    return arrSosi.count
}

func tableView(_ tableView: UITableView, cellForRowAt indexPath: IndexPath) ->
UITableViewCell {
    let cell = tableView.dequeueReusableCell(withIdentifier: "cell", for: indexPath)
    let dic = arrSosi[indexPath.row]
    cell.imageView?.image = UIImage(named: dic["img"]!)
    cell.textLabel?.text = dic["name"]
    return cell
}
```

Multi Section

```swift
func numberOfSections(in tableView: UITableView) -> Int {
    return 2
}

func tableView(_ tableView: UITableView, numberOfRowsInSection section: Int) ->
Int {
    if section == 0 {
        return 5
    } else {
        return 3
    }
}

func tableView(_ tableView: UITableView, cellForRowAt indexPath: IndexPath) ->
UITableViewCell {
    let cell = tableView.dequeueReusableCell(withIdentifier: "cell",
                        for: indexPath)
    cell.textLabel?.text =
            "\(indexPath.section)번째 Section \(indexPath.row)번째 Row"
    return cell
}
```

Section Header Footer

```swift
var arrSosi = ["효연", "제시카", "서현", "수영", "써니", "태연","티파니", "윤아", "유리"]
var arrExo = ["시우민", "디오","첸","백현","세훈","카이","루한","레이","찬열","수호","크리스",
"타오"]

func tableView(_ tableView: UITableView, titleForHeaderInSection section: Int) ->
String? {
    if section == 0 {
        return "소녀시대"
    } else {
        return "Exo"
    }
}

func tableView(_ tableView: UITableView, titleForFooterInSection section: Int) ->
String? {
    if(section == 0) {
        return "소녀시대 Footer"
    } else {
        return "Exo Footer"
    }
}
```

View Header
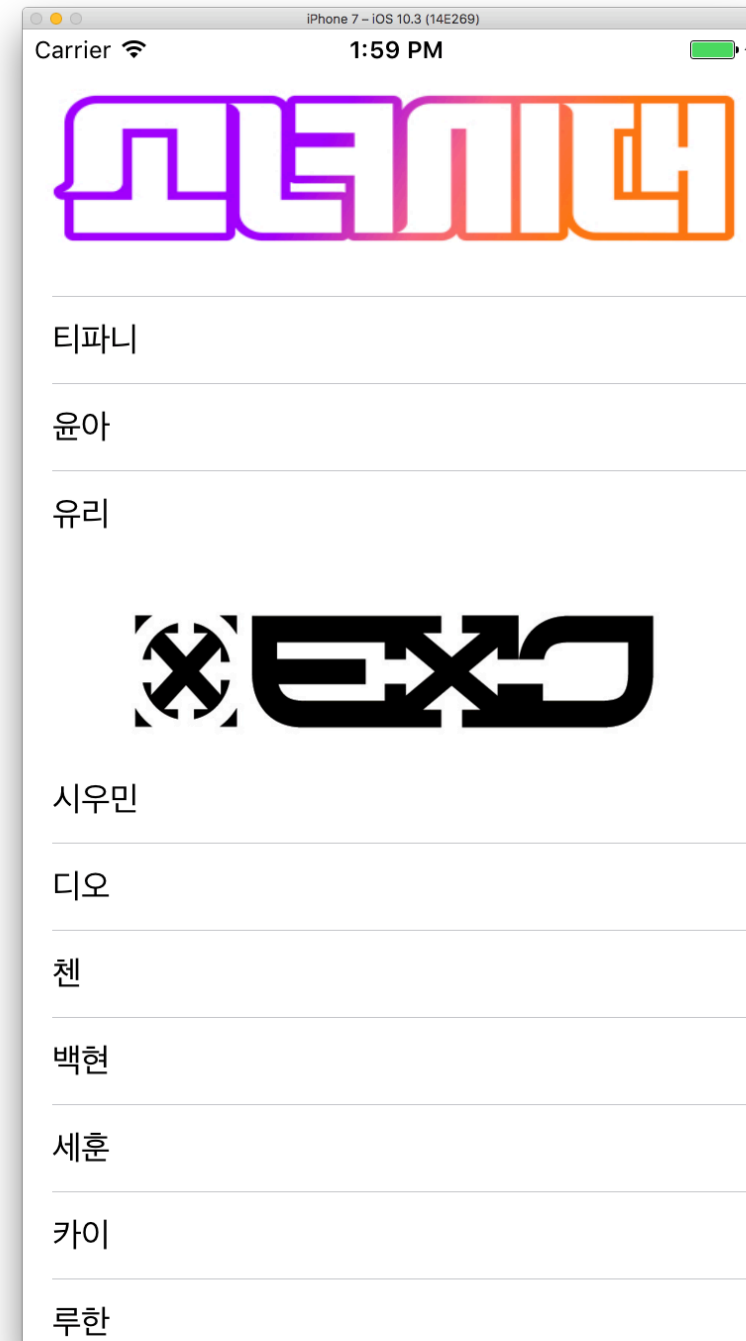
View Header

```swift
func tableView(_ tableView: UITableView, viewForHeaderInSection section: Int) ->
UIView? {
    let imageView = UIImageView()
    if section == 0 {
        let image = UIImage(named: "sosi.jpg")
        imageView.image = image
    } else {
        imageView.image = UIImage(named: "exo.png")
    }

    return imageView
}


func tableView(_ tableView: UITableView, heightForHeaderInSection section: Int) ->
CGFloat {
    return 100
}
```

TableView Accessory
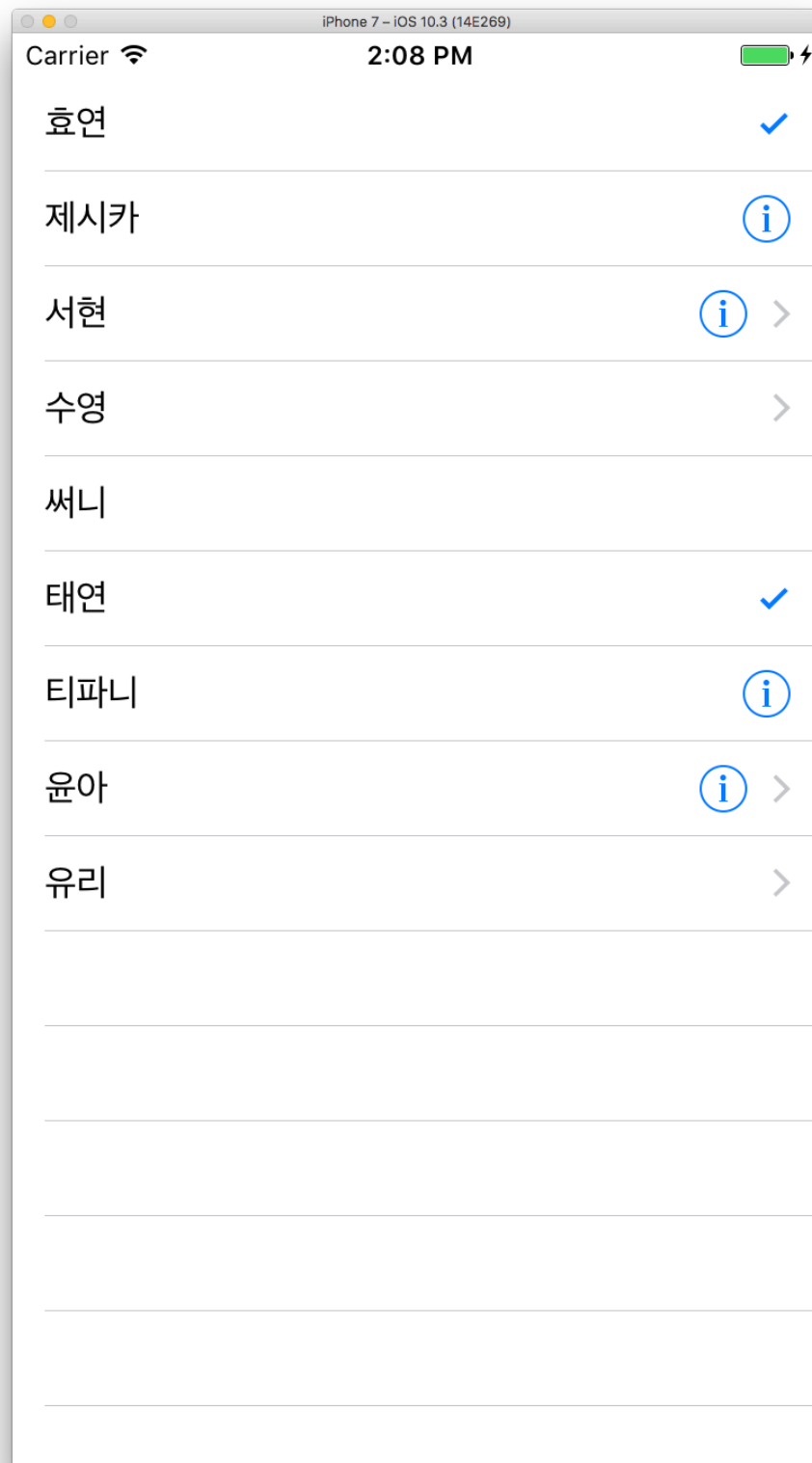
Check
DetailButton
DetailDisClosureButton
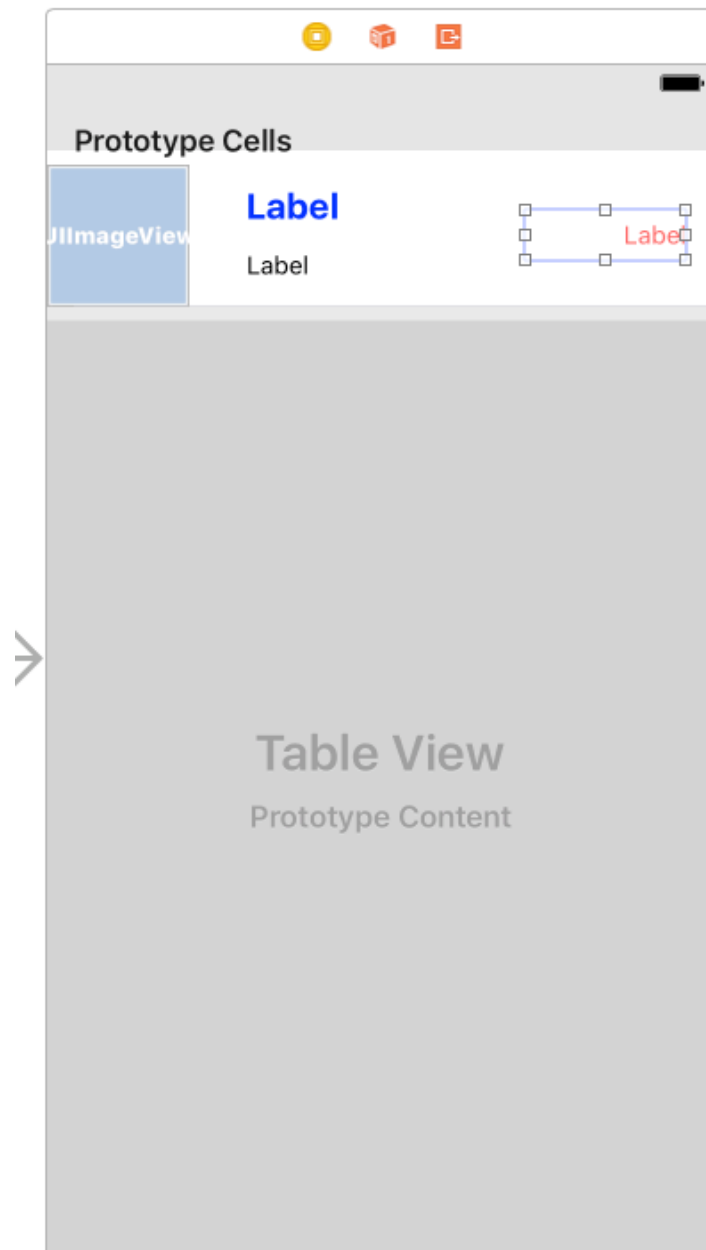DisClosureIndicator
None

TableView Accessory

```swift
func tableView(_ tableView: UITableView, cellForRowAt indexPath:
IndexPath) -> UITableViewCell {
    let cell = tableView.dequeueReusableCell(withIdentifier: "cell",
            for: indexPath)
    cell.imageView?.image = UIImage(named: arrSosi[indexPath.row])
    cell.textLabel?.text = arrName[indexPath.row]

    switch indexPath.row % 5 {
        case 0: cell.accessoryType = .checkmark
        case 1: cell.accessoryType = .detailButton
        case 2: cell.accessoryType = .detailDisclosureButton
        case 3: cell.accessoryType = .disclosureIndicator
        case 4: cell.accessoryType = .none
        default:cell.accessoryType = .none
    }
    return cell
}
```

Custom TableViewCell
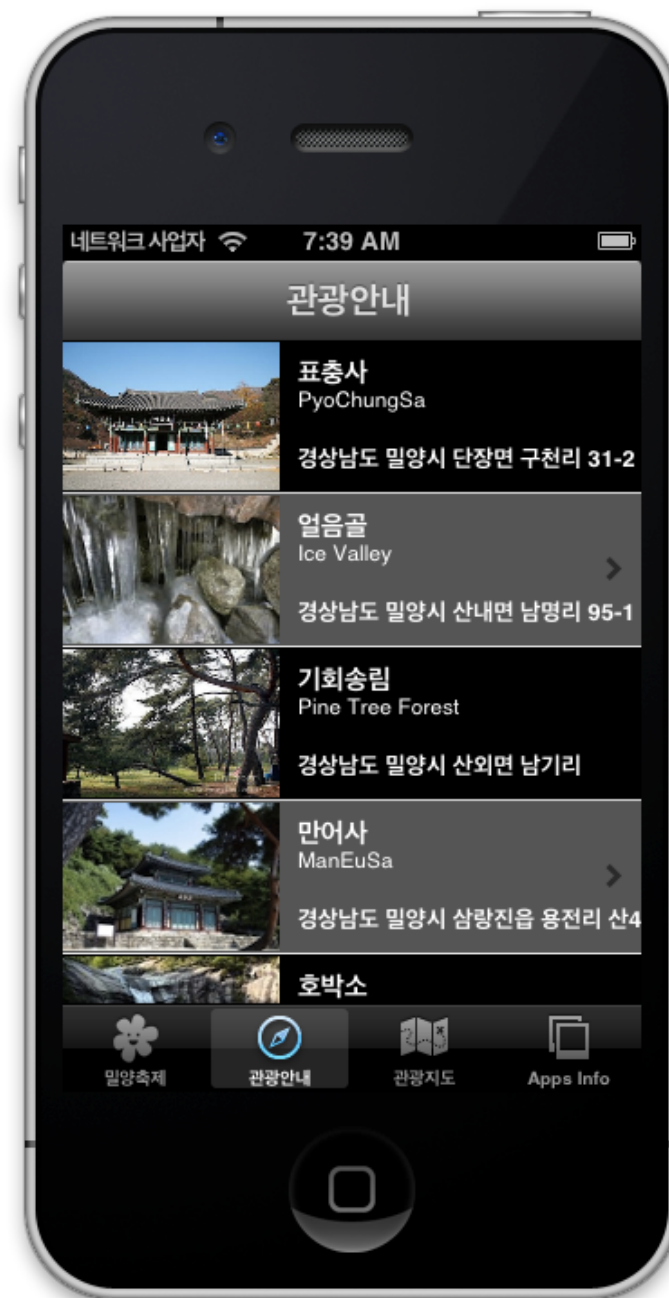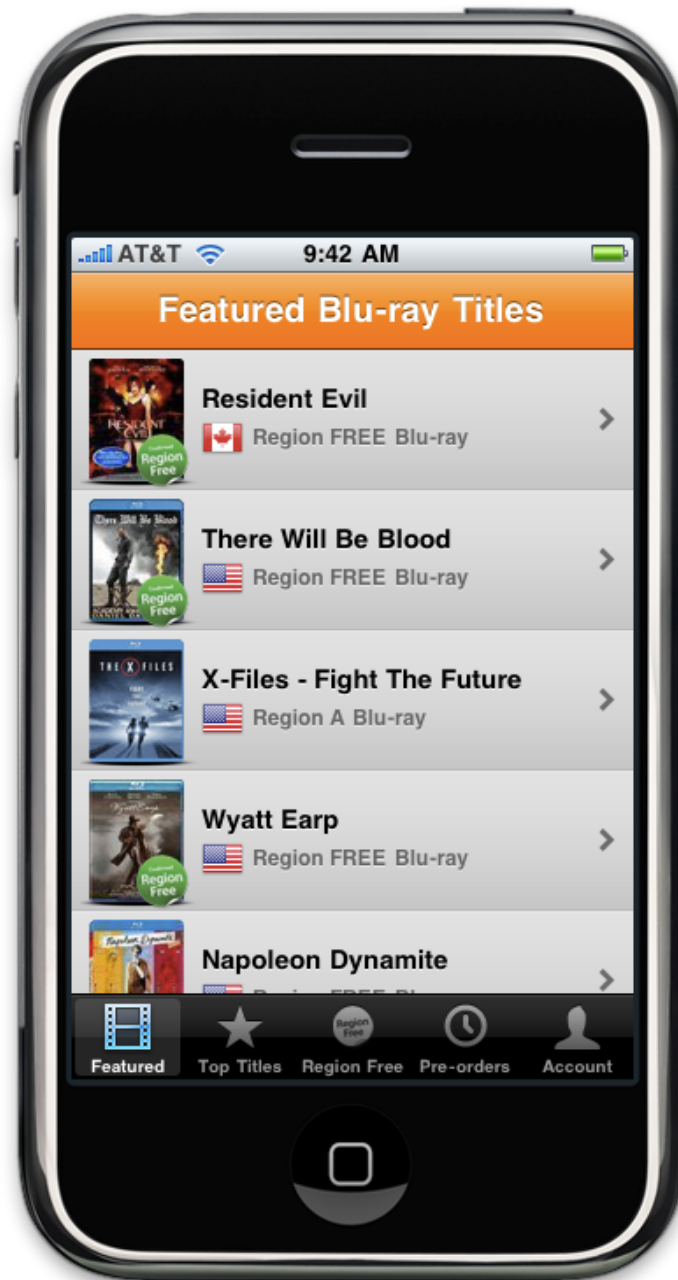
Custom TableViewCell

Custom Cell 구성

```swift
@IBOutlet weak var tableView: UITableView!
var arrSosi = [["name":"효연", "img":"a1.jpg"],["name":"제시카", "img":"a2.jpg"],["name":"서현",
"img":"a3.jpg"],["name":"수영", "img":"a4.jpg"],["name":"써니", "img":"a5.jpg"],["name":"태연",
"img":"a6.jpg"],["name":"티파니", "img":"a7.jpg"],["name":"윤아", "img":"a8.jpg"],["name":"유리",
"img":"a9.jpg"]]

override func viewDidLoad() {
    super.viewDidLoad()
        tableView.dataSource = self
        tableView.rowHeight = 80
}

func tableView(_ tableView: UITableView, numberOfRowsInSection section: Int) -> Int {
        return arrSosi.count
}

func tableView(_ tableView: UITableView, cellForRowAt indexPath: IndexPath) -> UITableViewCell {
    let cell = tableView.dequeueReusableCell(withIdentifier: "cell", for: indexPath)
    let dic = arrSosi[indexPath.row]
    let imageView = cell.viewWithTag(1) as? UIImageView
    imageView?.image = UIImage(named: dic["img"]!)
    let label1 = cell.viewWithTag(2) as? UILabel
    label1?.text = dic["name"]
    let label2 = cell.viewWithTag(3) as? UILabel
    label2?.text = "Girls Generation"
    let label3 = cell.viewWithTag(4) as? UILabel
    label3?.text = "\(indexPath.row)번째 멤버"
    return cell
}
```

UITableViewController

Cell 삭제

```swift
override func tableView(_ tableView: UITableView, cellForRowAt indexPath: IndexPath) ->
UITableViewCell {
    let cell = tableView.dequeueReusableCell(withIdentifier: "cell", for: indexPath)
    cell.textLabel?.text = arrName[indexPath.row]
    return cell
}

override func tableView(_ tableView: UITableView, canEditRowAt indexPath: IndexPath) ->
Bool {
    return true
}

override func tableView(_ tableView: UITableView, commit editingStyle:
UITableViewCellEditingStyle, forRowAt indexPath: IndexPath) {
    if editingStyle == .delete {
        arrName.remove(at: indexPath.row)
        tableView.deleteRows(at: [indexPath], with: .fade)
    }
}
```

Cell 이동

```swift
override func tableView(_ tableView: UITableView, canMoveRowAt indexPath: IndexPath)
-> Bool {
    return true
}


override func tableView(_ tableView: UITableView, moveRowAt fromIndexPath: IndexPath,
to: IndexPath) {
    let temp = arrSosi[fromIndexPath.row]
    arrSosi.remove(at: fromIndexPath.row)
    arrSosi.insert(temp, at: to.row)
}
```