

7Day_Summary

Date	@Jan 20, 2020
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TODO App 만들기

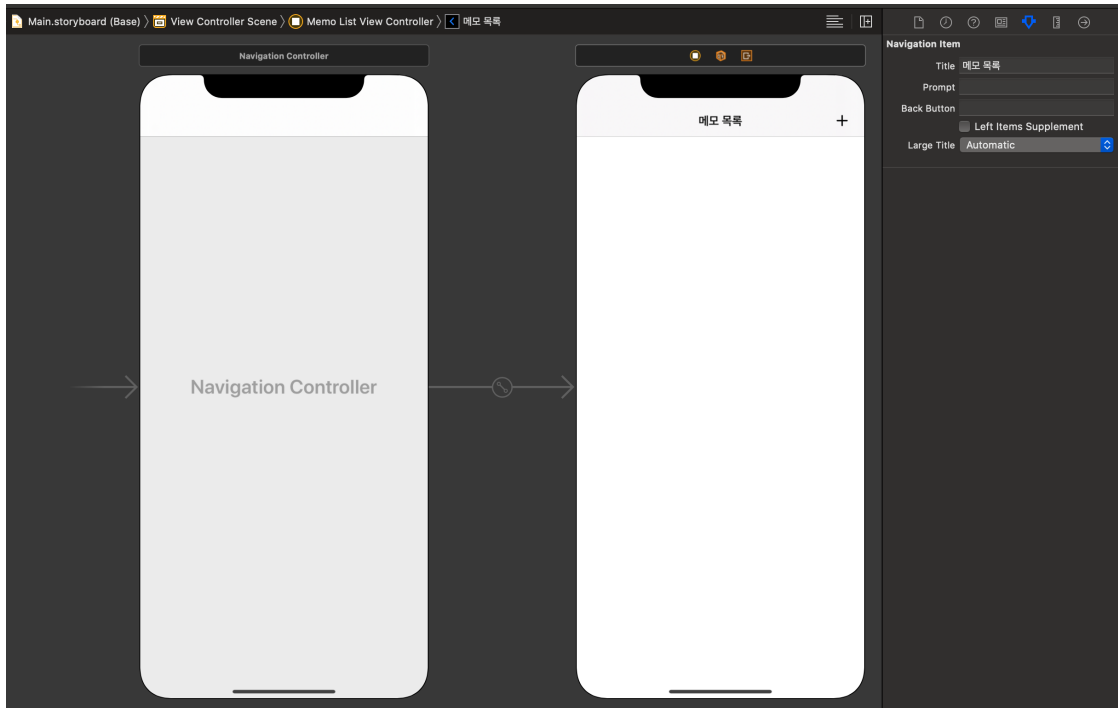
<목표>

1. TableView의 사용법
2. Create, Read, Update, Delete 개념
3. UserDefaults
4. 전체적인 앱의 구성 (MVC 패턴, 앱의 아이콘 이미지 구성, 파일 구조)

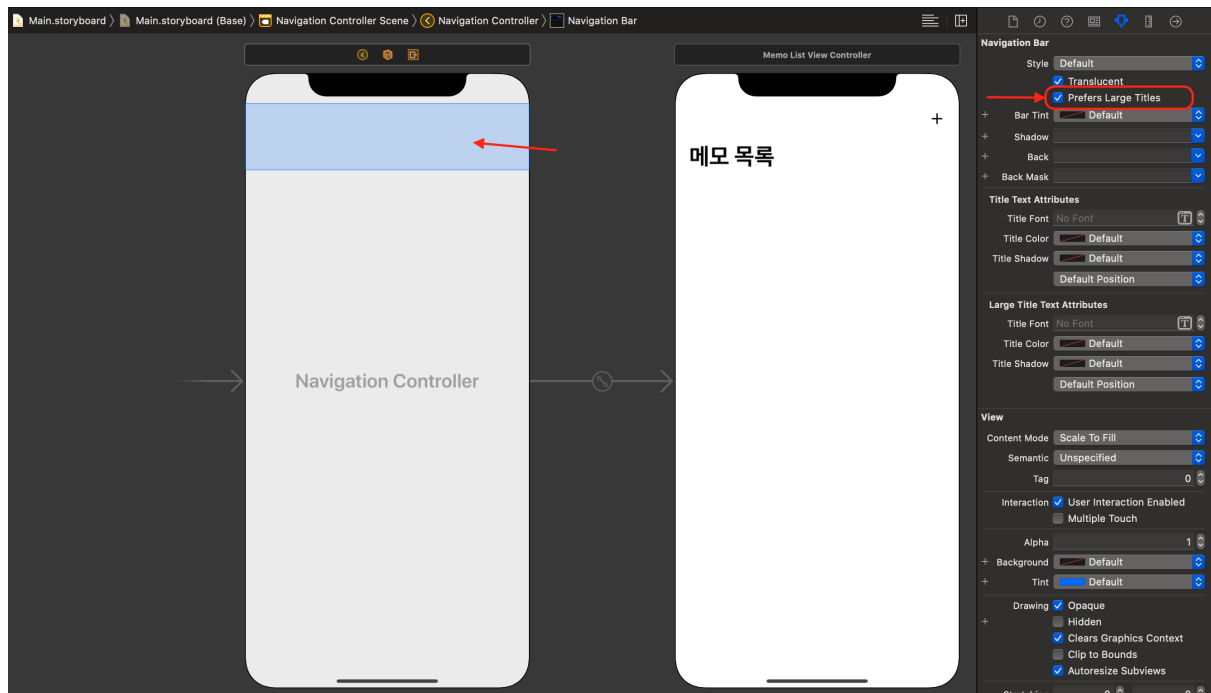
1. 프로젝트 생성
2. 이미지 추가

<https://s3-us-west-2.amazonaws.com/secure.notion-static.com/99f9973f-bf96-4f9d-ad50-b382a98de486/.zip>

3. 폴더 나누기 (ViweController, Model, Resources, Utility)
4. ViewController 지우고 MomoListViewControler 생성 후 스토리보드에 Init View Controller로 연결
5. MemoListViewController에 NavigationController 추가
 - 타이틀, 오른쪽 버튼(UIBarButtonItem) 추가



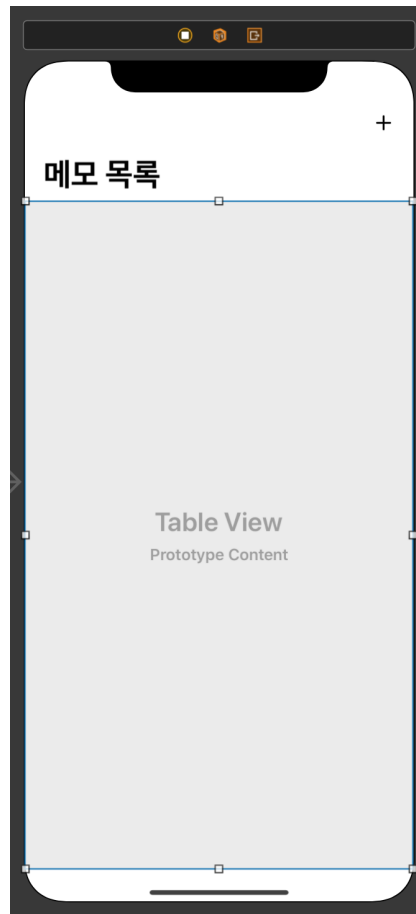
6. Navigation Bar를 선택하고 Prefers Large Titles을 체크해준다.



7. TableView 추가 후 에러 안나는 지점까지 구현.

1. delegate, dataSource = self 연결
2. UITableViewDataSource, UITableViewDelegate 채택 작업

3. UITableViewDataSource 필수 메서드 구현



<에러가 발생하지 않는 지점까지 구현>

```
import UIKit

class MemoListViewController: UIViewController {

    @IBOutlet weak var tableView: UITableView!

    override func viewDidLoad() {
        super.viewDidLoad()

        setupUI()
    }

    private func setupUI() {
        tableView.delegate = self
        tableView.dataSource = self
    }
}

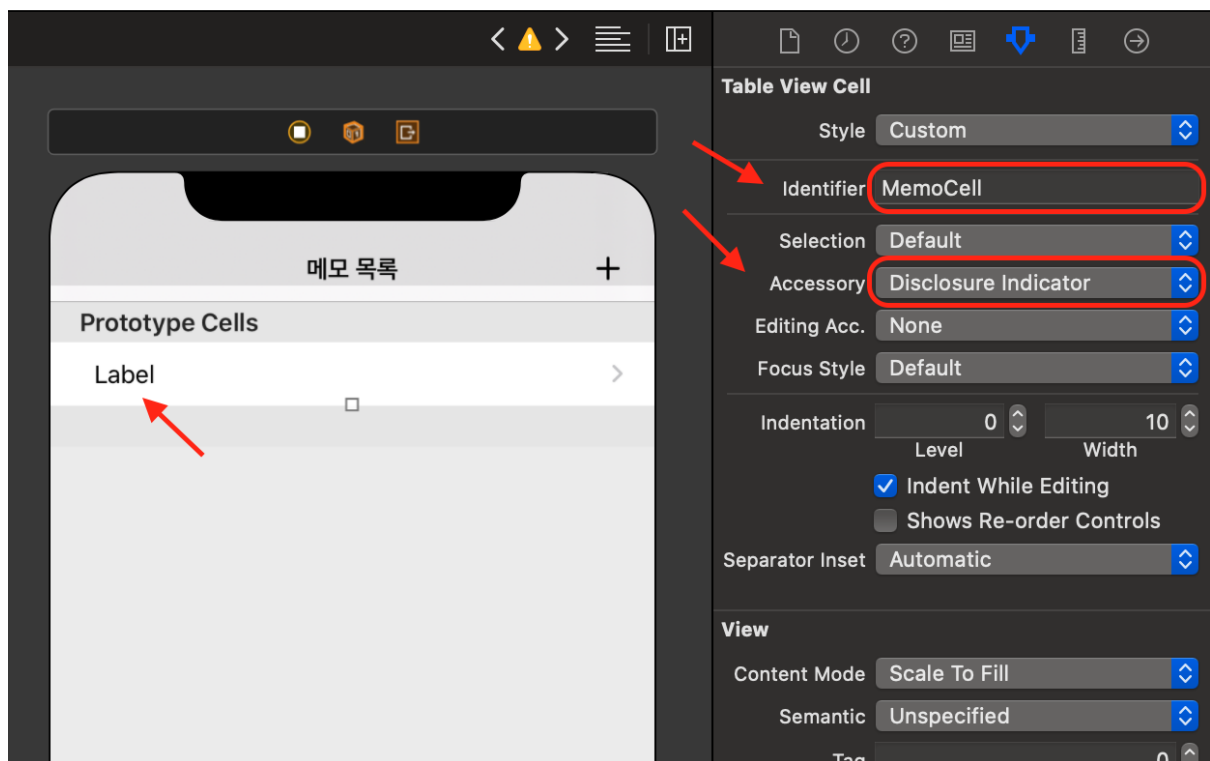
extension MemoListViewController: UITableViewDataSource {

    func tableView(_ tableView: UITableView, numberOfRowsInSection section: Int) -> Int {
        return 1
    }
}
```

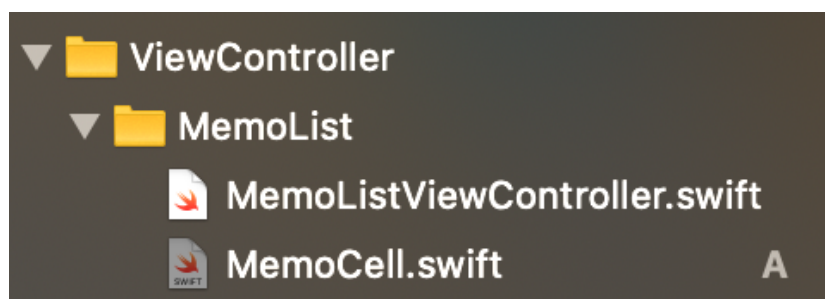
```
func tableView(_ tableView: UITableView, cellForRowAt indexPath: IndexPath) -> UITableViewCell {
    return UITableViewCell()
}

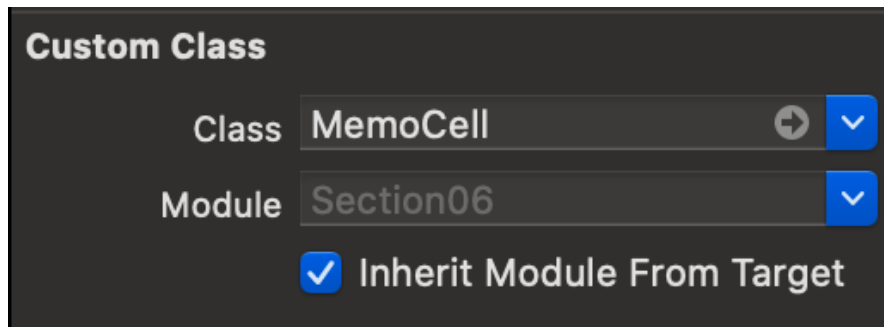
extension MemoListViewController: UITableViewDelegate {
}
```

8. MemoCell 스토리보드에 추가



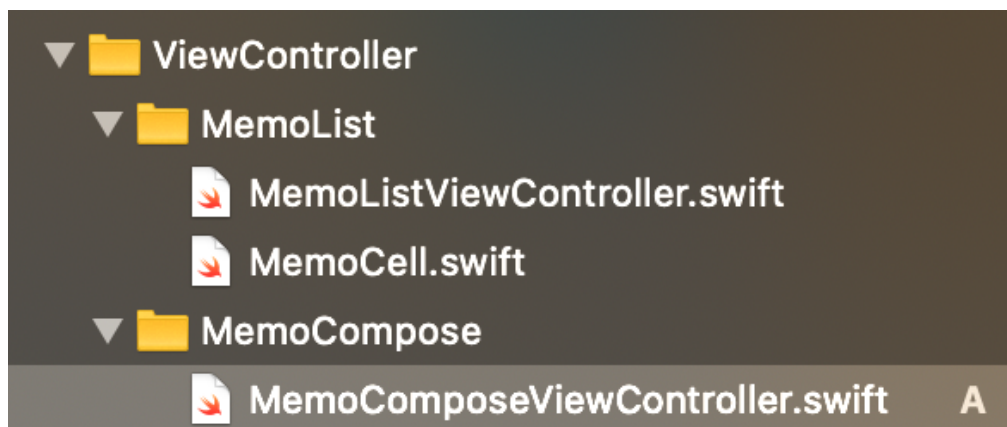
9. MemoCell.swift 파일 추가 후 스토리보드 Cell과 연결



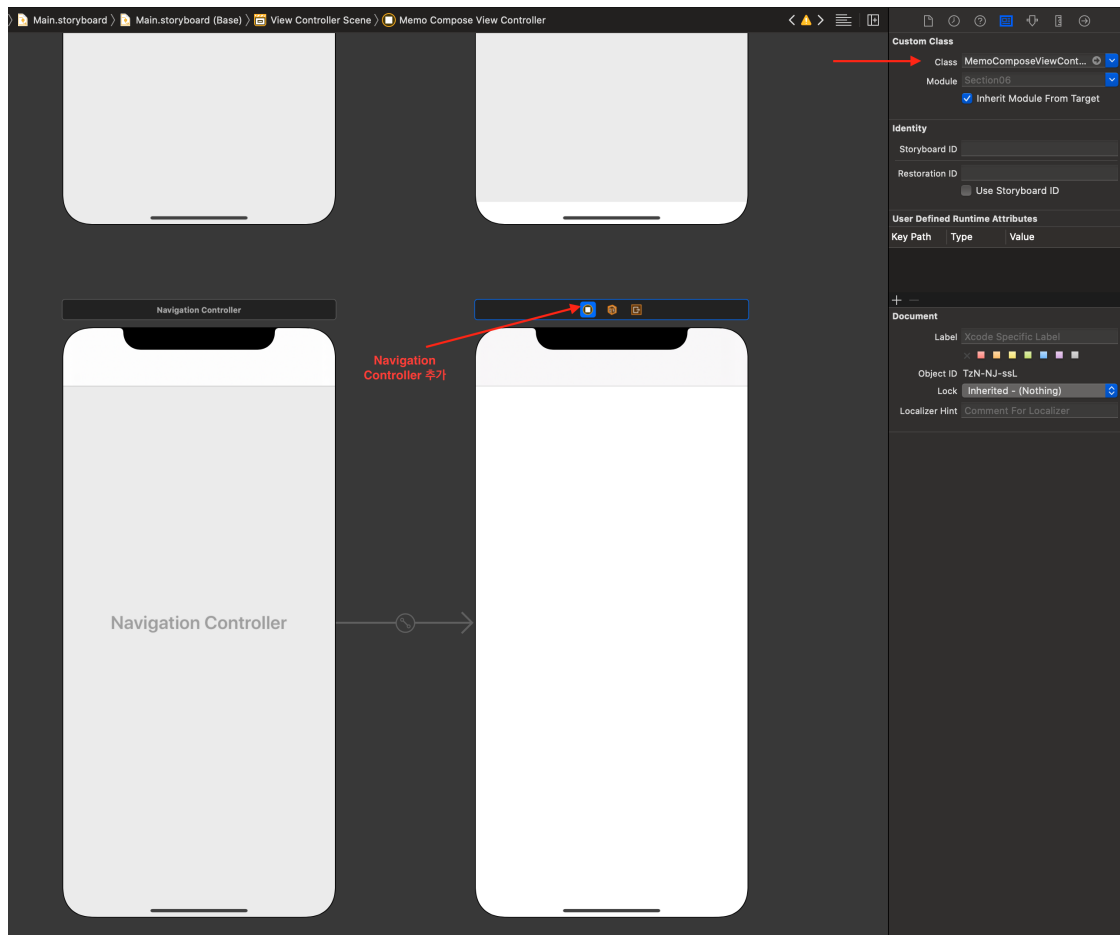


10. **Add Button** 클릭시 **MemoComposeViewController**를 모달 형식으로 띄우기

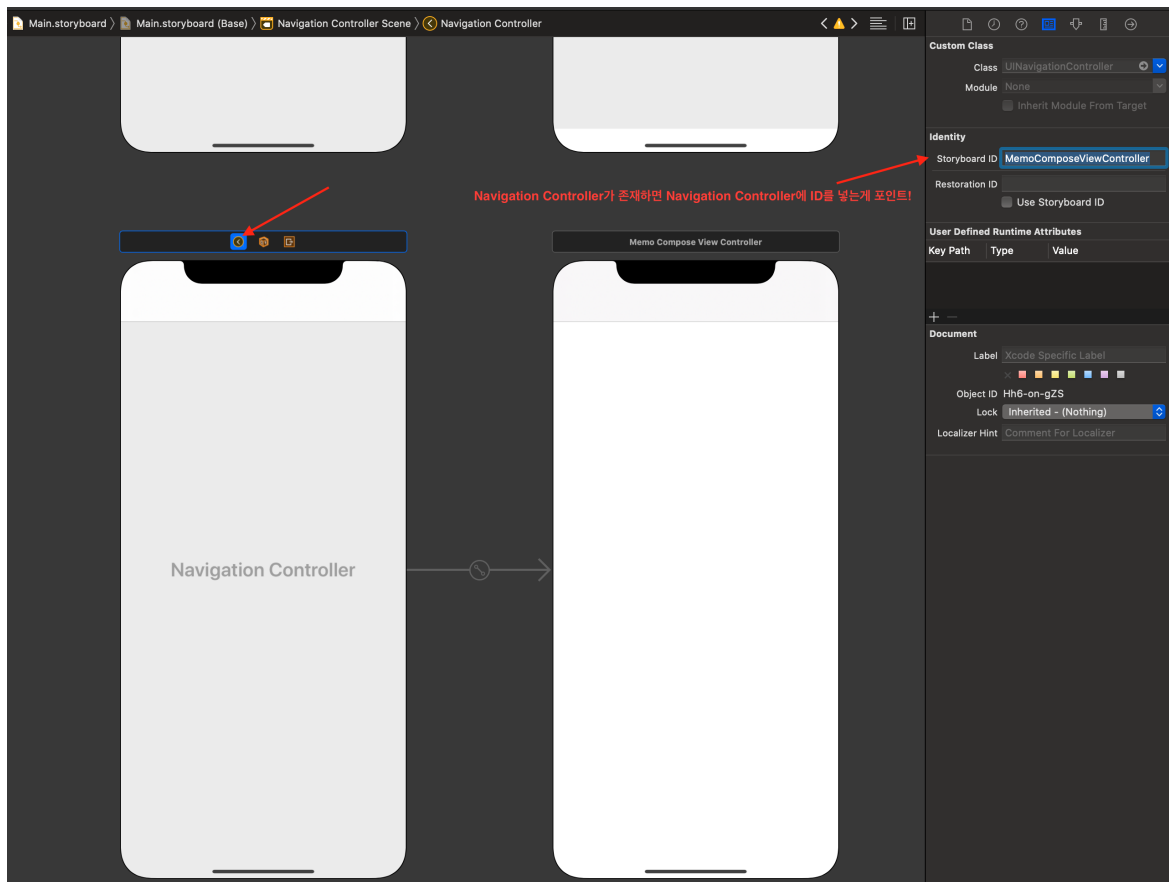
1. MemoComposeViewController.swift 파일 생성



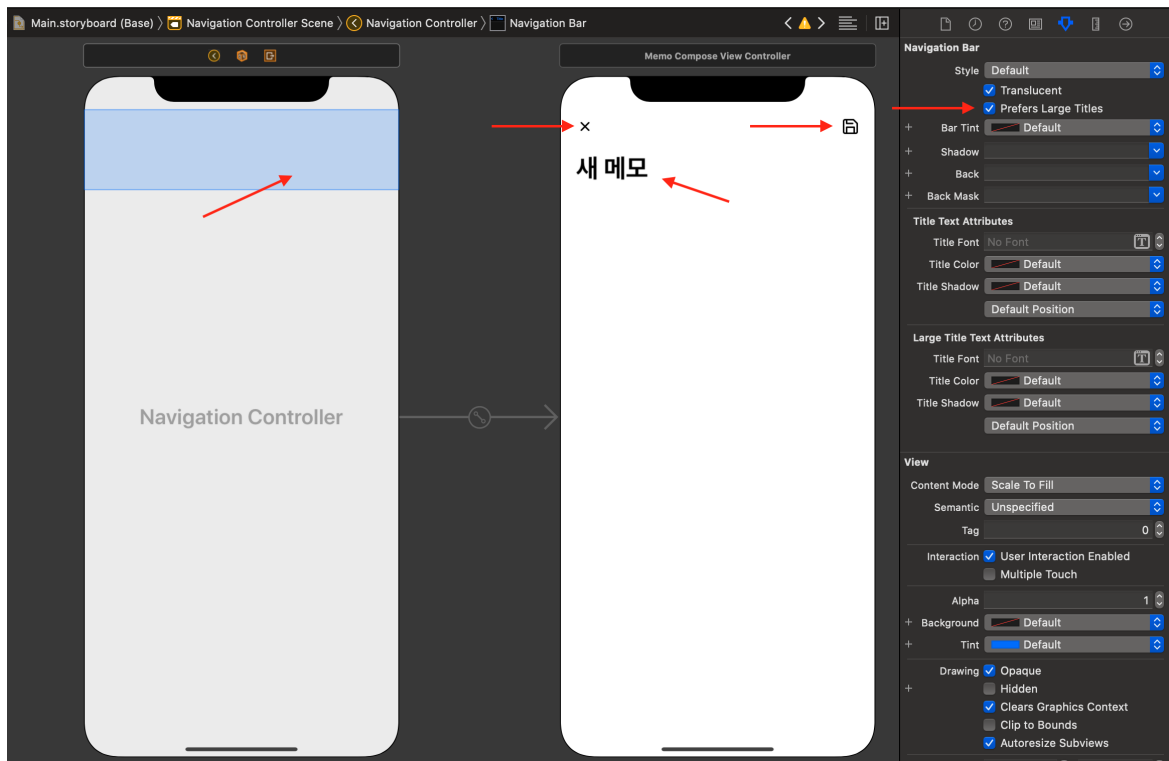
2. 스토리보드에 UIViewController 추가 후 연결, Navigation Controller도 추가한다.



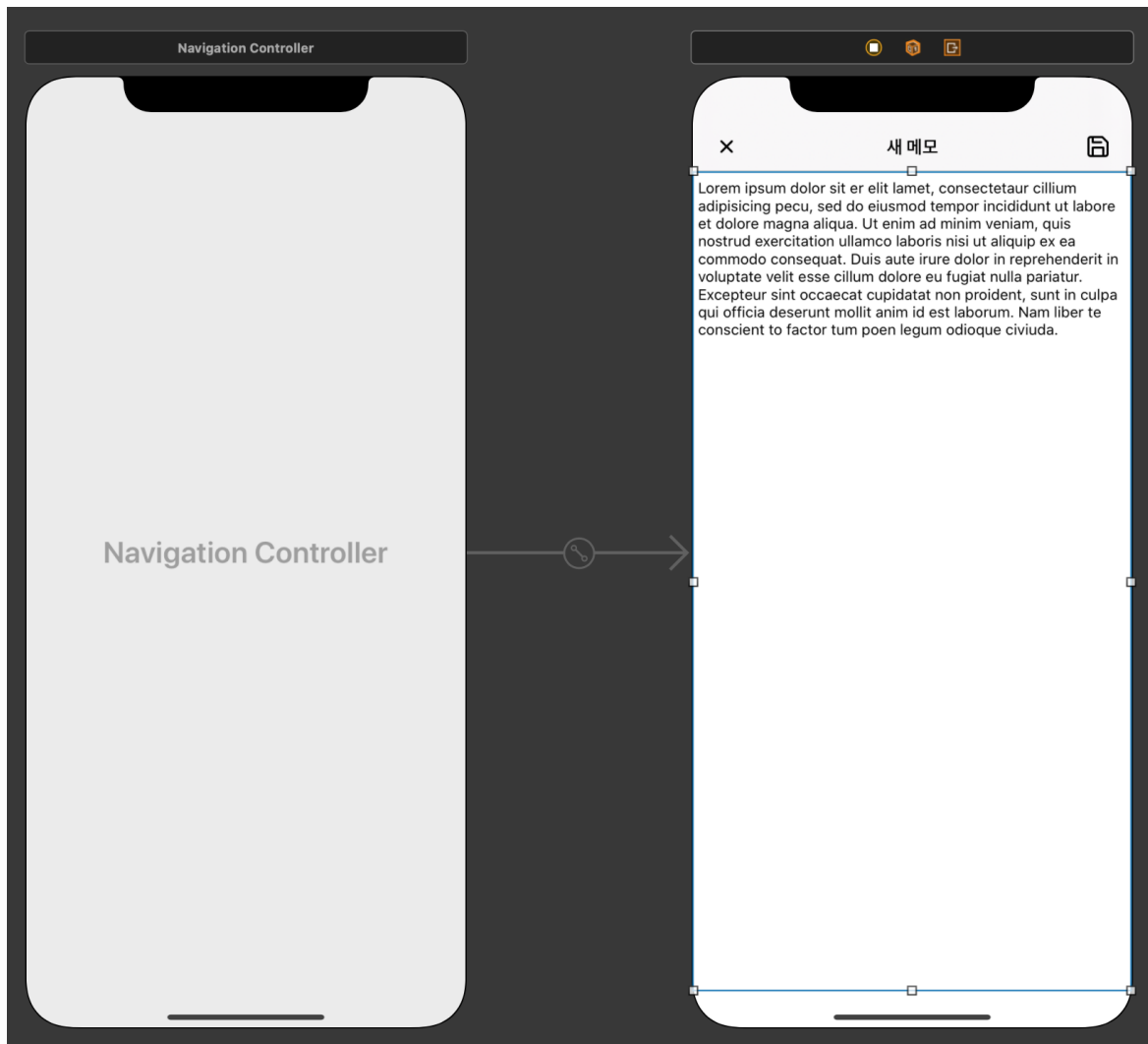
3. UINavigationController가 존재하면 ViewController에 ID를 적는게 아니라, UINavigationController에 ID를 적어야한다!



4. Navigation Bar를 선택하고 Prefers Large Titles을 체크해준다.
타이틀, UIBarButtonItem 2개를 NavigationBar에 추가해준다.



5. UITextView를 올려준다.



6. textView, dismiss, save 버튼 Outlet, Action을 연결시켜준다.

```
import UIKit

class MemoComposeViewController: UIViewController {

    @IBOutlet weak var contentTextView: UITextView!

    override func viewDidLoad() {
        super.viewDidLoad()
    }

    @IBAction func dismiss(_ sender: UIBarButtonItem) {

    }

    @IBAction func save(_ sender: UIBarButtonItem) {

    }

}
```

여기까지 MemoComposeViewController UI 구현 완료

11. Add Button 클릭시 MemoComposeViewController로 모달 띄우기

→ UINavigationController 로 다운캐스팅한것이 포인트!

```
@IBAction func addMemo(_ sender: UIBarButtonItem) {
    if let naviVC = storyboard?.instantiateViewController(
        withIdentifier: String(describing: "MemoComposeViewController")
    ) as? UINavigationController {
        present(naviVC, animated: true, completion: nil)
    }
}
```

12. MemoComposeVC에서 dismiss 구현

```
@IBAction func dismiss(_ sender: UIBarButtonItem) {
    dismiss(animated: true, completion: nil)
}
```