iOS 프로그래밍(D)

4주차 과제

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오현석

1. Source Code

```swift
 8  import UIKit
 9  import WebKit
10
11  class ViewController: UIViewController,
        UIPickerViewDelegate,UIPickerViewDataSource, WKNavigationDelegate {
12
13      let PICKER_VIEW_COLUME_COUNT = 1
14      var urlFileName = [
15          "https://www.naver.com",
16          "https://www.google.com",
17          "https://www.daum.net",
18          "https://www.youtube.com"
19      ]
20
21      // PickerView에 표기되는 도메인명 (순서대로)
22      var domainNames = [
23          "Naver",
24          "Google",
25          "Daum",
26          "Youtube"
27      ]
28
        @IBOutlet weak var myWebVIew: WKWebView!
        @IBOutlet weak var myActivityIndicator: UIActivityIndicatorView!
31      @IBOutlet weak var pickerView: UIPickerView!
32
33      func loadWebPage(_ url:String) {
34          let myURL = URL(string: url)
35          let myRequest = URLRequest(url: myURL!)
36          myWebVIew.load(myRequest)
37      }
38
39      override func viewDidLoad() {
40          super.viewDidLoad()
41          myWebVIew.navigationDelegate = self
42          pickerView.delegate = self
43          pickerView.dataSource = self
44
45          // 초기 웹페이지 로드
46          loadWebPage(urlFileName[0])
47      }
48
49      // PickerView DataSource
50      func numberOfComponents(in pickerView: UIPickerView) -> Int {
51              return PICKER_VIEW_COLUME_COUNT
52      }
53
54      func pickerView(_ pickerView: UIPickerView, numberOfRowsInComponent
            component: Int) -> Int {
55              return urlFileName.count
56      }
```

```swift
    // PickerView Delegate
    func pickerView(_ pickerView: UIPickerView, titleForRow row: Int,
        forComponent component: Int) -> String? {
            return domainNames[row] // 도메인명만 표시
    }

    func pickerView(_ pickerView: UIPickerView, didSelectRow row: Int,
        inComponent component: Int) {
        loadWebPage(urlFileName[row]) // 실제 URL로 로드
    }

    // 새로고침 기능
    @IBAction func btnRefresh(_ sender: UIButton) {
        myWebVIew.reload()
    }

    @IBAction func btnHSU(_ sender: UIButton) {
        loadWebPage( "https://www.hansung.ac.kr" )
    }

    func webView(_ webView: WKWebView, didCommit navigation: WKNavigation!) {
        myActivityIndicator.startAnimating( )
        myWebVIew.isHidden = false
    }

    func webView(_ webView: WKWebView, didFinish navigation: WKNavigation!) {
        myActivityIndicator.stopAnimating( )
        myActivityIndicator.isHidden = true
    }

    func webView(_ webView: WKWebView, didFail navigation: WKNavigation!,
        withError error: any Error) {
        myActivityIndicator.stopAnimating( )
        myActivityIndicator.isHidden = true
    }
}
```
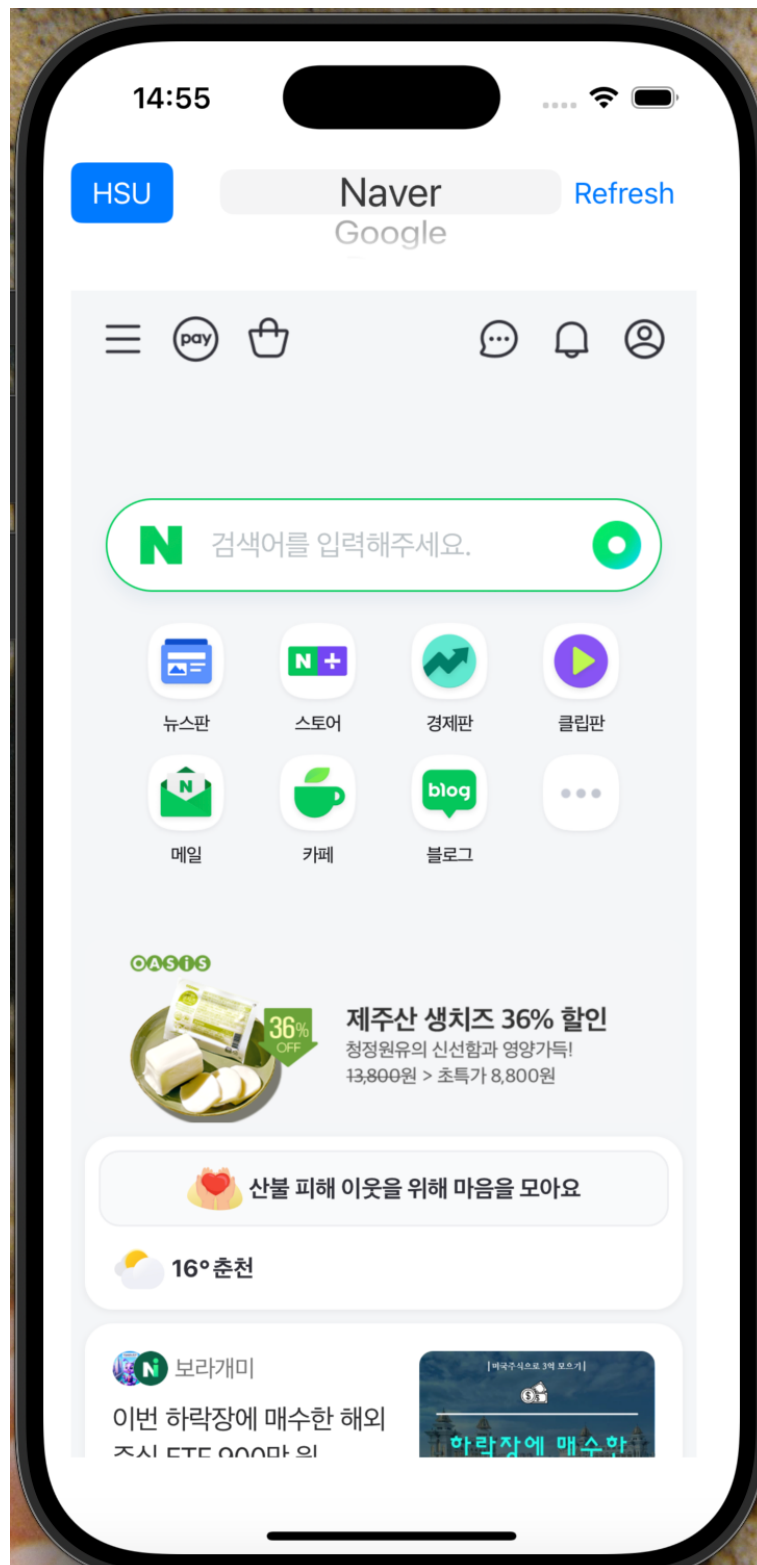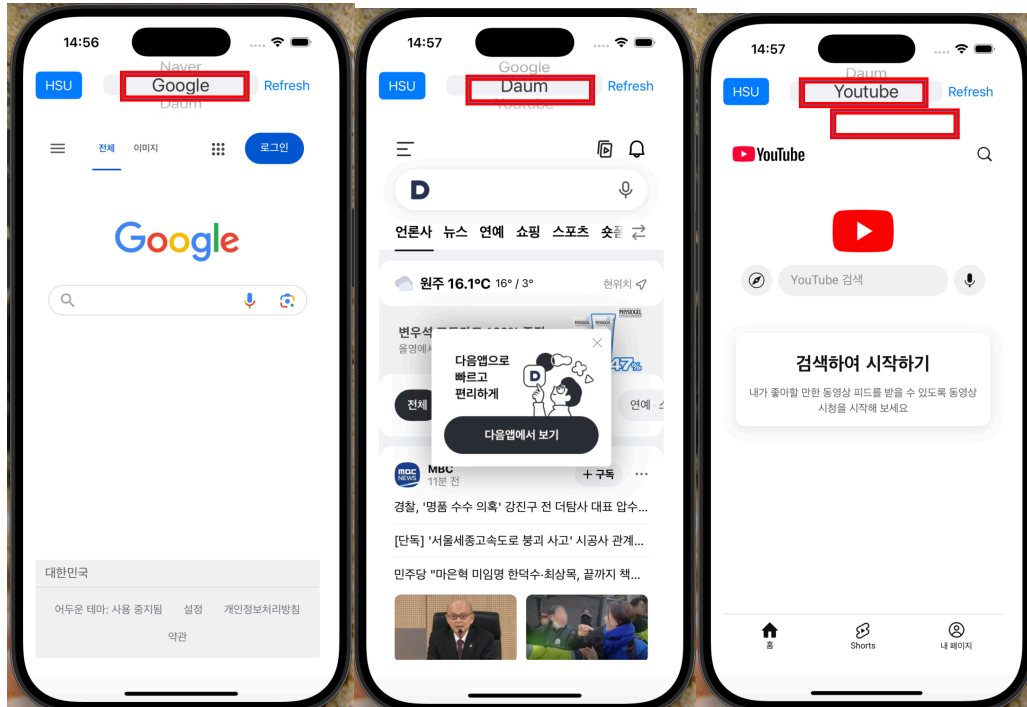
2. 실행화면

2.1 초기화면

2.2 HSU 버튼 클릭

2.3 PickerView를 통해 여러 웹사이트 표시(도메인명 표시 되게 설정)

(PickerView 표기 변경 – 출처: 강의자료)

2.4 Refresh 버튼으로 새로고침 기능 – 출처: 강의자료