iOS DESIGN PATTERNS

iOS Design Patterns

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6 Authentication - Challenge

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Wouldn't it be nice if there was somewhere the user could view his user profile? Of course, if needed he could sign into the app from this page too!

Challenge

Create a new **UserViewController** within **App \ Controllers** to display the user's profile. Add any sort of scene UI you'd like to the **Main.storyboard**.

Provide options to both sign in and out of the app on this screen using **AuthClient**.

> **Note**: This challenge is pretty epic... don't feel bad if you want to "peek" at the **Challenge Solution** below and/or **Challenge-Completed** project for inspiration.

Challenge Solution

Create a new file called **UserViewController.swift** within **app \ Controllers**, and
replace its contents with the following:

```swift
import UIKit

internal final class UserViewController: UIViewController {

  // MARK: - Injections
  internal let authClient = AuthClient.shared

  // MARK: - Outlets
  @IBOutlet var emailTextField: UITextField!
  @IBOutlet var firstNameTextField: UITextField!
  @IBOutlet var lastNameTextField: UITextField!
  @IBOutlet var phoneNumberTextField: UITextField!
  @IBOutlet var userTextFields: [UITextField]!

  @IBOutlet var signInButton: UIButton!
  @IBOutlet var signOutButton: UIButton!

  // MARK: - View Lifecycle
  override func viewDidLoad() {
    super.viewDidLoad()
    configureView(authClient.user)
  }

  private func configureView(_ user: User?) {

    guard let user = user else {
      signInButton.isHidden = false
      signOutButton.isHidden = true
      userTextFields.forEach {
        $0.isHidden = true
        $0.text = nil
      }
      return
    }

    signInButton.isHidden = true
    signOutButton.isHidden = false
    userTextFields.forEach { $0.isHidden = false }

    emailTextField.text = user.email
    firstNameTextField.text = user.firstName
    lastNameTextField.text = user.lastName
    phoneNumberTextField.text = user.phoneNumber
  }

  // MARK: - Actions
  @IBAction func signInButtonPressed(_ sender: Any) {
    authClient.requestAuthToken(self, success: { [weak self] (_, user) in
      guard let strongSelf = self else { return }
      strongSelf.configureView(user)
```

```
      }, userCancelled: { [weak self] in
        guard let strongSelf = self else { return }
        strongSelf.configureView(nil)
    })
  }

  @IBAction func signOutButtonPressed(_ sender: Any) {
    authClient.signOut()
    configureView(nil)
  }
}
```

Replace the **Main.storyboard** file from the **Challenge-Completed** folder for this video, which includes this scene and related UI for showing it.