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**iOS DESIGN
PATTERNS**
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HANDS-ON CHALLENGES

iOS Design Patterns

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6 Authentication - Challenge

By Joshua Greene

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:

```
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.