Data Storage: Extras

Mobile Application Development in iOS

School of EECS

Washington State University

Instructor: Larry Holder

Data Storage Extras

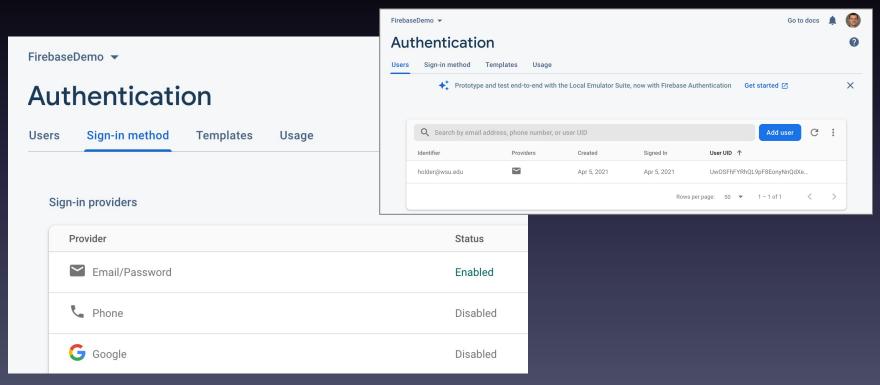
- Firebase
 - Authentication
- CloudKit





Firebase Authentication

- Pod 'Firebase/Auth'
- Enable authentication methods



Firebase Authentication

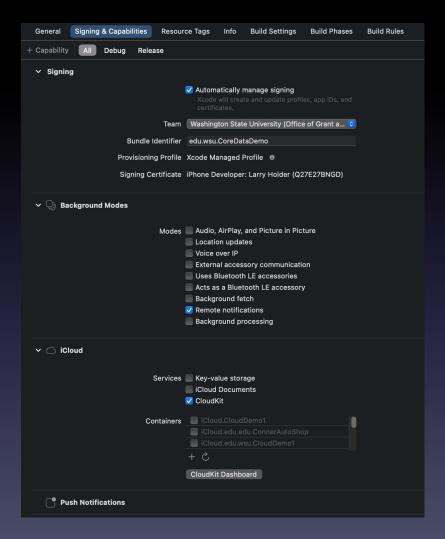
```
import FirebaseAuth
// Create user
Auth.auth().createUser(withEmail: email, password: password)
   { authResult, error in
// Sign in (existing user)
Auth.auth().signIn(withEmail: email, password: password)
   { authResult, error in
let user = Auth.auth().currentUser
try? Auth.auth().signOut()
```



- Apple's cloud data storage capability
- Integrated with Core Data
- Designed to work only with Apple apps

Use CloudKit version of NSPersistentContainer

- Add capabilities to app
 - iCloud
 - Choose 'CloudKit' and Container
 - Push Notifications
 - Background Modes
 - Rmote notifications



Sign in to iCloud

iCloud.edu.wsu.iCloudDemo1 → → ● Development → → Data →

Changes

Records ~

Private Database

holder@eecs.wsu.edu

Type: CD Player

com.apple.coredata.cloudkit.zone

Fetch

Query Records

Zone

Using

Cycle Automatic Signing

Goto CloudKit Dashboard

CD Player

► 02C70A3C-170B-4415-9873-

► 2FB67D02-D1DC-4295-849C...

▶ 85636510-FEFC-4D87-818A-...

