

HW#9 IOS Clues

CSCI571

Spring 2017

HW 9 Prototype

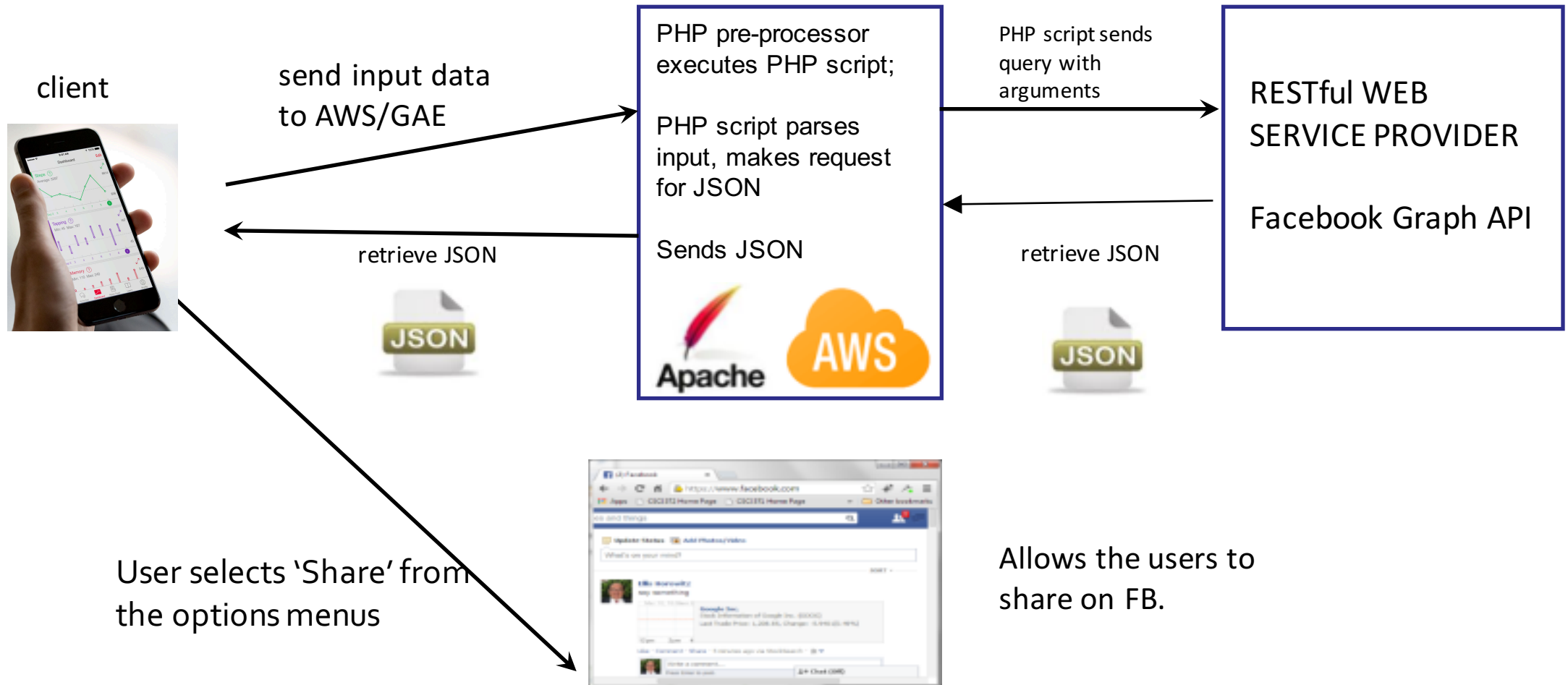
https://www.youtube.com/watch?v=L-pA_FdJy6s

Tutorials

- Lynda.com:
 - iOS 9 App Development with Swift 2 Essential Training
 - Swift 2.0 Essential Training



Architecture Overview



Implementation

- Use Story Board to create 5 scenes
 - Home screen
 - Search Results screen
 - Users View
 - Pages View
 - Events View
 - Places View
 - Groups View

Implementation

- Use Story Board to create 5 scenes
 - Favorites screen
 - Users View
 - Pages View
 - Events View
 - Places View
 - Groups View
 - Details screen
 - Albums View
 - Posts View
 - About Scene
- Use CocoasPod to install dependencies and third party modules
 - <https://cocoapods.org/>



Clues In Detail

Integrate CocoaPods

- 1. Install cocoas pods by following the instructions at <https://cocoapods.org/>
- 2. Create a Podfile in your Xcode project, file content are like the 'Get Started' section in the CocoaPods website
- 3. Run 'pod install' in your terminal
- 4. Open the 'xxxx.xcworkspace' file and you will have CocoaPods integrated
- 5. Import the modules in your project using 'import xxxx'
- 6. When new modules are needed, add new lines to your Podfile and run 'pod install' again

Home Scene

- The Scene can be implemented using 'UIViewController'.
- Use a 'UITextField' for input and 2 'UIButton' for clear and search buttons.

Search Results

- Search Results
 - Use a 'UITabBarController' as a container for the the 5 tabs : Users ,Pages, Events, Places and groups
- Users View
 - Use a 'UIViewController' for the tab. Use the 'UITableView' to hold the 10 users to display.
 - Use 2 buttons for the 'Previous' and 'Next' buttons.

Search Results

- All the other tabs - pages, events, places and groups would be implemented using the same design in consideration.

Favorites Screen

- This screen is identical in design as the search results including the 5 tabs, the only difference being the data being shown would be fetched locally.
- Use the 'UserDefaults' to store the favorited entity.

Details Screen

- Details
 - Use 'UITabBarController' for showing the albums and posts for the concerned entity.
- Albums View
 - Use a 'UIViewController' for the tab and use 'UITableView' to display the 5 albums, in any. In case not data is found, use a 'UILabel'.
- Posts View
 - Use a 'UIViewController' for the tab and use 'UITableView' to display the 5 posts, in any. In case not data is found, use a 'UILabel'.

About Scene

- About View
 - Use 'UILabel' for name and USC ID
 - Use 'UIImageView' for the image

Resources

- Useful Pods:
 - Alamofire
 - SwiftyJSON
 - SwiftSpinner
 - EasyToast
- FB iOS SDK
- Collapsing table view - https://youtu.be/VWgr_wNtGPM
- Slide Menu - <https://github.com/John-Lluch/SWRevealViewController>

Thank you.

Manish Dwibedy