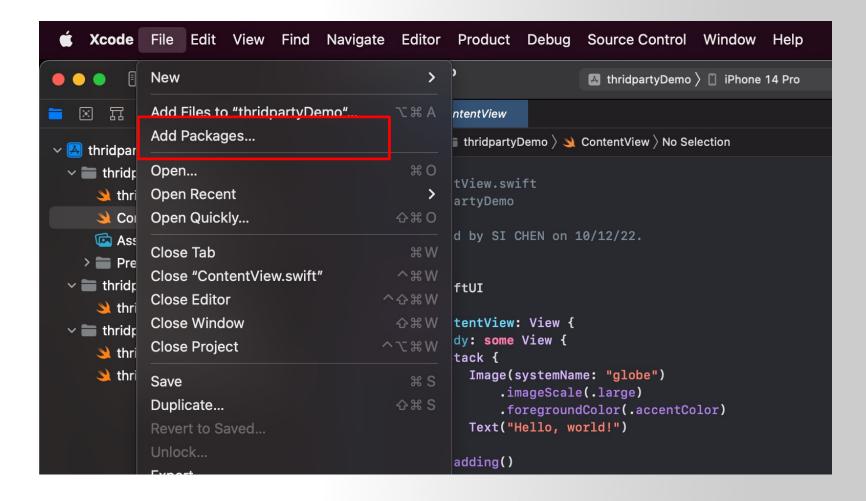
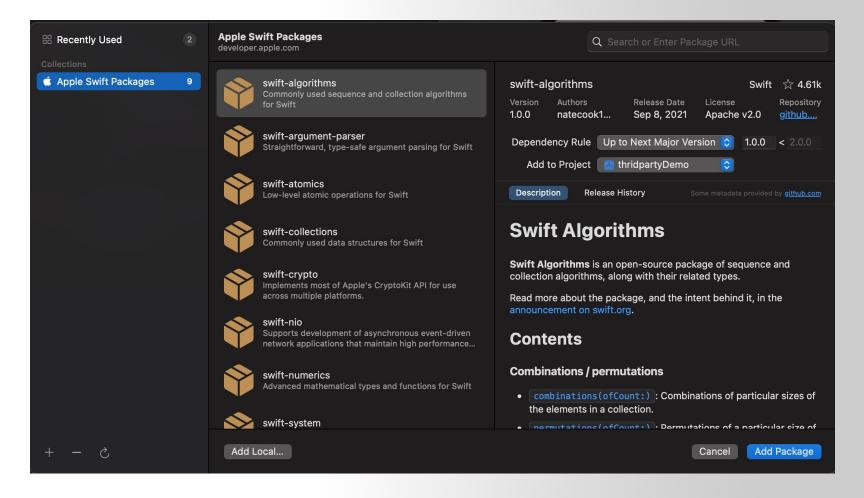
CSC 496: iOS App Development Beyond the Standard Library Si Chen (schen@wcupa.edu)

Add Third-party packages





Add Third-party packages





Kingfisher



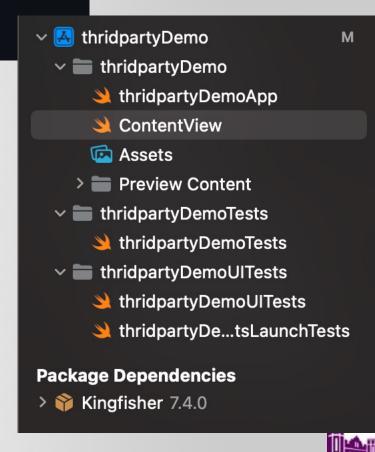
https://github.com/onevcat/Kingfisher



Kingfisher

Swift Package Manager

- File > Swift Packages > Add Package Dependency
- Add https://github.com/onevcat/Kingfisher.git
- Select "Up to Next Major" with "7.0.0"



Kingfisher

```
import SwiftUI
import Kingfisher
struct ContentView: View {
    var body: some View {
        VStack {
            Image(systemName: "globe")
                .imageScale(.large)
                .foregroundColor(.accentColor)
            Text("Hello, world!")
        .padding()
        KFImage(URL(string:
            "https://www.wcupa
            .edu/_resources/includes/brand/images/headerLogo1.png")!)
struct ContentView_Previews: PreviewProvider {
    static var previews: some View {
        ContentView()
```



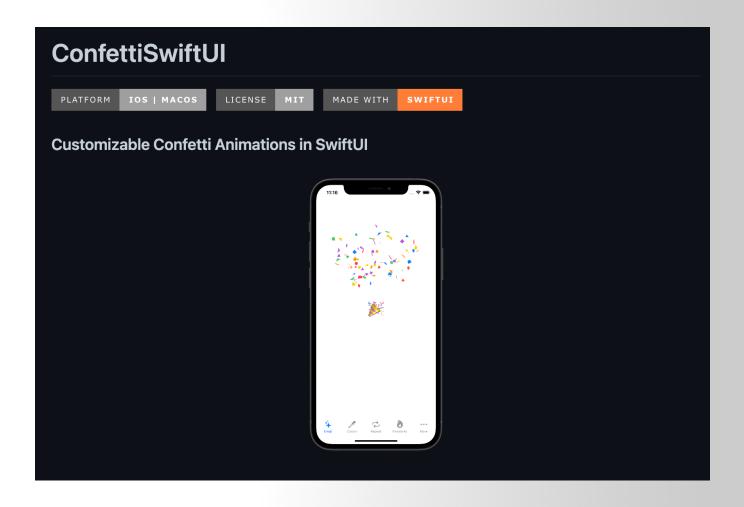
PokemonAPI

```
import PokemonAPI
struct ContentView: View {
    @State var pokemonName = ""
   @State var pokemonWeight = 0
    var body: some View {
        Text(pokemonName)
        Text(String(pokemonWeight))
        Button("Click"){
            PokemonAPI().pokemonService.fetchPokemon("150") { result in
                switch result {
                case .success(let pokemon):
                    self.pokemonName = pokemon.name ?? "" // bulbasaur
                    self.pokemonWeight = pokemon.weight ?? 0 //
                case .failure(let error):
                    print(error.localizedDescription)
struct ContentView_Previews: PreviewProvider {
    static var previews: some View {
        ContentView()
```

https://github.com/kinkofer/PokemonAPI



ConfettiSwiftUI





https://github.com/simibac/ConfettiSwiftUI

SubSonic



Swift 5.4 Contact @twostraws

Subsonic is a small library that makes it easier to play audio with SwiftUI, allowing you to work both imperatively ("play this sound now") and declaratively ("play this sound when some state becomes true").



Lab3: Build an app with API and third-party library (Group Project)

- Assignment Requirements:
- **1.API Selection**: Choose an API for integration from https://github.com/public-apis/public-apis/public-apis. Alternatively, you may opt for any other API that does not necessitate authentication.
- **2.Data Fetching**: Develop an application capable of fetching data from the chosen API. Your application should retrieve at least one property or data field from the API.
- **3.User Interface (UI)**: Construct a user interface to display the fetched data. Implement features that allow the user to initiate new data requests. For example, if you select the Weather API, the interface should enable the user to specify a state (like PA or NY) for which to fetch data.
- **4.Dynamic Imagery**: Incorporate at least one changeable image in the application's UI. The image should update based on the data retrieved from the API. For instance, the image could turn red if the fetched daily temperatures exceed a certain threshold.
- **5.Library Usage**: Utilize **at least one third-party library** in the development of your application.
- Bonus Criteria:
- Asynchronous Programming: Earn a 2 points bonus if you implement asynchronous programming using async/await for data fetching and handling.

e.g., changeable Image of Weather API

West



