

iOS Login View Requirements:

- Your task is to create a semi-functional login screen based on the login_ui.png file in this zip file, as well as the MVVM/RxSwift foundation provided in the Smartlink Cameras.xcodeproj (entire Xcode project is in the Smartlink Cameras.zip file). This login screen should be structured in the LoginViewController.swift file, with the model definitions and data fetching built into the LoginViewModel (as well as the use of any associated dependency injected services).
- Two image asset files (bg_effect.jpg and logo_light.png) have been included to help build this view.
- You MUST build the view programmatically (no use of .xib files or Storyboard), and constraints also have to be added programmatically for it support all sizes of iPhones (assume this view will always be locked to portrait, so you don't have to cater for landscape)
- iOS keyboard input and response have to be considered (such as a user tapping return on the keyboard to move to the next line, or a user tapping on the screen to dismiss the keyboard)
- On the logic side of this project, you will not have to worry about the password or handling any action when a user taps Sign In.
- The only thing you are required to do for an action is when a user types in a username (for example "helixdemo"), you must make a REST API call to see what "baseUrl" that user belongs to and print it in the Xcode console. Here are the details for the API Call:

Type of call: POST

URL: <http://registration.securenettech.com/registration.php> Body Input:

```
{  
  
  "method": "getPartnerEnvironment", "username": "helixdemo", "environment":  
  "PRODUCTION"  
  
}
```

Sample response:

```
{"server":{"partner":"CLOUD","environment":"PRODUCTION"},"platform":{"baseUrl":  
:"https://cloud.secure.direct/smarttech"}}
```

So you would print "<https://cloud.secure.direct/smarttech>" in the Xcode console

Helper Tip: Best way to do this is to use a RxSwift Observable/Single trait to listen to a stream of events from the user's input, and based on a debounce time, make a call to the API whenever the username input changes.

- You are not allowed to use any third-party libraries for this test (except for RxSwift of course).

- Please let us know if you need any clarification on the requested task.