

GitHub Api App Information Document

iOS application which would let users help search and analyse GitHub users conveniently.

Technical Details:

Language Used: Swift 4.2 and Above

Xcode: 10.1

iOS Version: 11.0 and Above.

UI: Storyboard, AutoLayouts.

Third Party Library: SDImage, SVProgressHUD. Using Cocoa-pods.

Project Design and Architecture: MVC Design is followed in App.

Design Pattern Used : Singleton Pattern, Callback Mechanism for API.

Classes Details:

1. NetworkManagert:

This class is used for all Network Communication in App.

I have used NSURLSession Class API for performing Network communication .

2. DataModels:

Model class for all JSON response. Created different Data models according to JSON Structure.

3. Commonfunctions:

This class contains common operation like date format conversion

4. Constants:

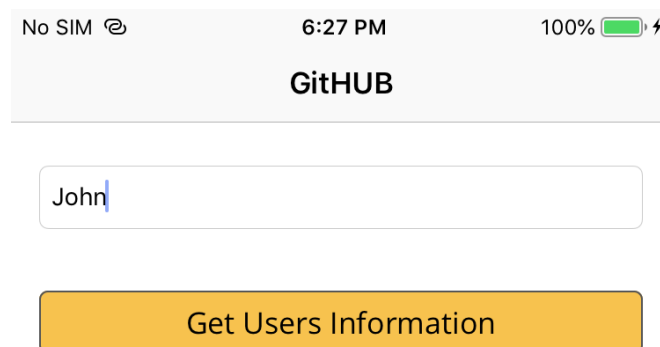
Class contains Base URL for API communication and all other API Endpoints.

5. DesinableButton: IBDesignable class for design custom button with border, corner radius , border colour.

6. Written one Unit test case for check convertdateformat() function in Common function class.

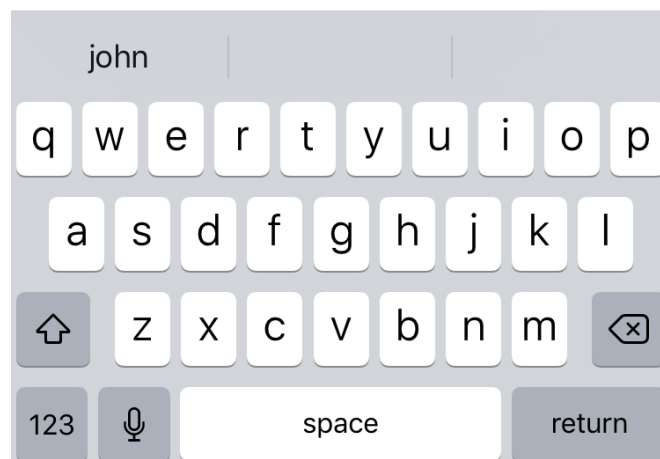
ViewControllersUsed:

1. ViewController: This first ViewController(HomeView) of App. Its having simple UI with Textfield, Button and some information labels. Enter name in text field and click on Get Users Information Button. Refer following Screen shot.



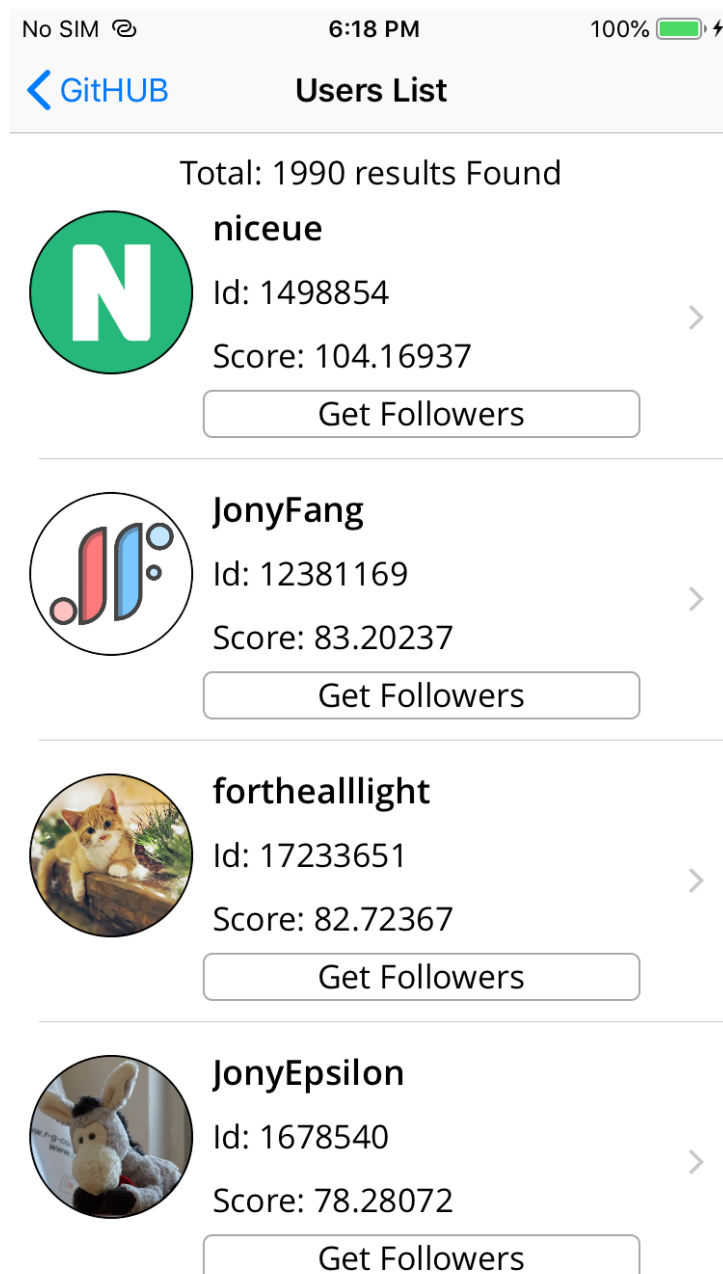
Enter full user name or part of user name and click on 'Get User Information' to search all users releated to your inserted name.

Search users or user on GitHub community. Know there score, followers count, following count.



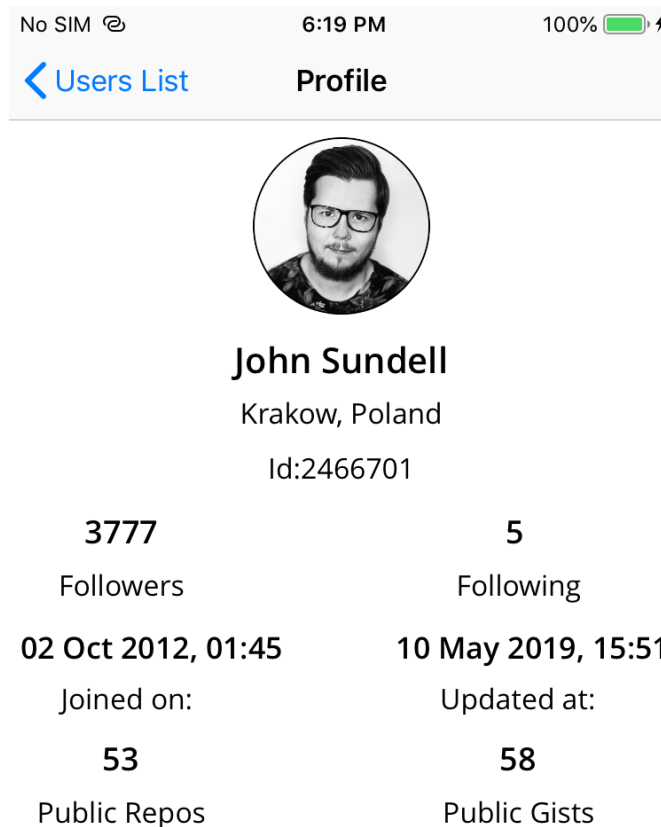
2. UserListController:

This controller shows list of all users that you enter for search. Data is fetched from <https://api.github.com/search/users?q=john>. This API fetch all users whose name is John or contain part of user name john for ex. john123, johns. Refer following screen shot. Pagination is used here for showing more records, scroll down it fetch next page records.



3. UserProfileViewController:

This controller shows details of specific user which you selected from last userslistcontroller class. Data is fetched from <https://api.github.com/users/torvalds> API. This API fetch all users Details with necessary details which is mentioned in Assignment's Document. Refer screen shot.



4. FollowerList Controller:

It fetch followers of specific user. Refer screenshot.

