Assignment

Problem Statement:
Develop a pseudo iOS application which would let users help search and analyse Github users conveniently.

Requirements:
- Use of **Github API** to fetch user profile and follower details.
  API Parameters: JSON Data[] —> { login, avatar_url, followers_url, location, name, public_repos,
  public_gists, followers}☐
  login — Username on Github☐
  avatar_url — Avatar image url☐
  followers_url — API URL containing followers details of particular user (JSON Response)☐
  location — Text: containing Location of the user☐
  name — Text: Full name of the user☐
  public_repos — Number: containing count of public repository made by user☐
  public_gists — Number: containing count of public gists (notes) made by user☐
  followers — Number: containing count of current followers for particular user.☐
  updated_at — Time: last update done by user (convert time to human readable time)☐
- Visually interactive design to **Search** user and **display** user profile
- Submit Source code, Screenshots & detailed deployment instructions
- Use **swift** coding language
- Proper Readme with screenshots and setup instructions
- Use Core data framework for offline search
- Ideal Xcode test environment:
- Target Deployment: 8.0+☐
- Test in iPhone 6 Simulator.☐

Plus Points:
- Profile with extensive user details (number of followers, gist and repository; also location and time). Utilise parameters: 'public_gists`, `followers` and `public_repos`
- Use Parse server as a backend and add any feature you may find useful.

Extra Work (if time permits):
- Add a feature to Share user details across other apps
- A feature to browse/view additional profile details conveniently for better user experience
- Custom design, font and icons to make app more user-friendly
- Use your imagination and add features which would make things easier for end users
- Write some unit test cases

Guide:
- Github Users API / Structure:
  * User details: https://api.github.com/users/<username>
  * User's followers: https://api.github.com/users/<username>/followers
  * Example (If the search term 'torvalds'):
    * User: https://api.github.com/search/users?q=torvalds&page=1
    * Followers: https://api.github.com/users/torvalds/followers

This exercise will show your skills in many areas:

- Networking
- UI creation
- Threading
- Animations
- Scalability
- Coding Style
- Library integrations
- Cohesion/Coupling

You can make use any third party libraries to complete this assignment. You need to submit the following

1. A valid Github repo url
2. A video url demonstrating the application
3. Well documented Readme file
4. Screenshots

Goodluck!