

ArincDirect Mobile “Take-Home” Coding Test

Prompt

Github has a public API that can be used to search users, repositories, issues, and other data on their site.

Write an iOS app in Swift or Objective-C that contains a short search form that will allow a user to search for repositories on Github. Results should display a list of short summaries of repositories that were returned from the Github API.

The Github public API documentation can be found at <https://docs.github.com/en/rest>.

Minimal Requirements

- The number of total results should be displayed after a search is performed.
- The list should display summaries for only the first 25 results.
- Some kind of error must be displayed to the user if the Github API is not reachable.
- The search form should include:
 - A text field for the user to search arbitrary text in the name, description, and/or README of a repository.
 - A 'submit' button to initiate the search.
- Results should be ordered by the number of 'stars' on the repository, in descending order.
- Each result should include:
 - Repository name

- Description
- Language
- Number of stars
- Must be able to build + run the app (as well as run all tests) from the XCode UI.

Bonus Requirements

- The search form should include:
 - A text field where the user can type in a programming language name to narrow the results.
- Add the ability to (locally) bookmark a repo from your search results. Add a second tab that lists your bookmarks.
- Automated tests using XCTest/XCUITest frameworks.

Submission

Please put your entire project in a .zip archive and email to ad-ipad@collins.com.