



Liang Jason <liangjyvector@gmail.com>

Jason liang / Re: Sr. Software Engineer, iOS Opportunity at Etsy

1 message

Duncan Campling <notification@jobvite.com>
Reply-To: Duncan Campling <jmg4qm2s8@jobvite.com>
To: Jason Liang <liangjyvector@gmail.com>

Sat, Nov 15, 2014 at 12:26 AM

This message was also sent to Rick Dionisio - TTS Staffing. When you reply, your message will go to Rick Dionisio - TTS Staffing as well.

Hi Jason,

Frantz said he had a good call with you and would like to continue with next steps. Below is the homework he mentioned. Please let me know if you have any questions. Good luck!!

Task

Build a search UI for Etsy.

Requirements

We'd like you to build an app that searches listings using Etsy's API:

1. You should be able to enter a search keyword
2. You should be able to scroll through the search results
3. Each search result should show the listing title and a listing image
4. When you scroll to the bottom of the search results, more results should load at the bottom of the page ("infinite scroll")

You can implement this UI in any way you see fit; we've left these requirements open-ended on purpose. If you're feeling inspired, you're free to add extra features (but don't let that distract you from the core of the assignment.) If you really want to wow us, a couple of well-constructed unit tests are always great to see!

It's OK to use a couple of third-party libraries, as long as they don't directly implement the assignment. Choose your tools wisely, and show us what you're capable of doing on your own.

Evaluation

We'll look for these specific things as we evaluate your work:

- Modular code with a clear separation of concerns
- Appropriate use of core UIKit classes

- Good understanding of memory management and ownership
- Solid networking and asynchronous processing
- Attention to system constraints and performance
- Careful error handling and attention to edge cases

Any extra features you add are appreciated, but won't be weighted as heavily as the items listed above. We're looking for simple, clean code that performs well and doesn't crash when the unexpected happens.

Resources

Here's an example of an API search request:

https://api.etsy.com/v2/listings/active?api_key=&includes=MainImage&keywords=

You may use the API key liwecjs0c3ssk6let4p1wqt9 or create your own. The user's search terms should be passed in the keywords parameter.

You'll find additional documentation for Etsy's search API here: <http://etsy.me/NnzCOF>

Submissions

We're big fans of Github, so that's our preferred way for you to hand in your assignment. But if you'd rather send us a .ZIP archive of your files, that's great too. You can send it as an email attachment, or as a link to your Dropbox.

We estimate that this assignment should take around 4-5 hours to complete, and we generally expect to get a response within 4-5 days. If you think it'll take you longer for any reason, just let us know.

And above all, have fun!

You can reply directly to this message or click the following link:
<https://hire.jobvite.com/l?inqYzVrwO>

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