The purpose of the technical assignment is to get a little more context of your ability to create code that contributes to a greater product. The project should only take about 4 hours to complete. The assignment should be comprised of the following things:

* Your code published to a git repository that can be shared with us. We should be able to run the code
* Deployment/running instructions. Assume that we’re running this on a Mac. Bonus points if instructions are for deployments to a cloud infrastructure
* A summary of the assignment
  + Your overall approach
  + What platform you chose and why you chose it
  + What features you completed
  + Given more time, what else would you have liked to complete and how long it would have taken you?
  + Given more time, what else would you have done to make the project more robust?

You will be evaluated based on:

* Test coverage for your code - required
* Clean code with robust - less is more
* Enough functionality or code to show us your understanding of fundamental development practices - avoid using too many libraries, but use them when necessary

The code can be done in the following languages that would be acceptable for web/server based projects: python, ruby on rails, node.js

Here are some ideas of projects that you could do. Only choose 1 and in the category for the role you’re applying for (i.e. web/server or mobile)

web/server assignment:

* Address book application - ability to log in to the site, create a contact list. Bonus: integrate the ability to synchronize with Google Contacts and/or login using a Gmail account
* Simple Address book API - ability to call an API endpoint to list all contacts for a user, create, read, update and delete a particular user

mobile assignment

* Address book application - ability to launch an app and display contacts. Do an initial pull from [Random User](http://randomuser.me/documentation). Bonus points for additional detail.

If you also have existing code that we can look at (public projects that are fun, open source contributions, etc), that’s even better. If you’re going this route, please send us the link to your repository along with the “here are things we are looking for” section. Please also highlight the sections or portions you’ve contributed to as we’d like to be able to identify what section of code that you’ve checked in.