

# **Zendesk Coding Challenge**

#### **OVERVIEW**

Using the provided data (tickets.json and users.json and organization.json) write a simple command line application (or a locally runnable web-app) to search the data and return the results in a human readable format.

When executing a search operation, where data exists, values from any related entities should be included in the results. The user should be able to search on any field and exact value matching is fine (e.g. "mar" won't return "mary"). The user should also be able to search for empty values, e.g. where description is empty.

Search can get pretty complicated pretty easily, we just want to see that you can code a basic search application.

#### **EVALUATION CRITERIA**

We will look at your project and assess it for:

- 1. **Does It Work -** Does the solution run per the instructions?
- 2. **Design -** Does the solution demonstrate good modularity, extensibility, and separation of concerns? Are appropriate OOP/OOD principles employed?
- 3. **Readability** Does the solution display proficiency with the language, a consistent style, and is it understandable? **Hint:** Use of your favorite linter or static analysis tool highly encouraged!
- 4. **Testing** Do the tests pass, do they verify all the use cases, are they structured well, do they break when unexpected changes are made?
- 5. **Robustness** Does the solution work quickly, efficiently, and gracefully handle unexpected situations?

If you have any questions about this criteria please ask.

### **SPECIFICATIONS**

- Use the language in which you are strongest.
- Feel free to use libraries or roll your own code as you see fit.
- Include a README with (accurate) usage instructions.

## **SUBMISSION**

Github is the preferred option (a public repo is fine) but we will also accept a .zip file if necessary. Email your solution to kraza@zendesk.com.

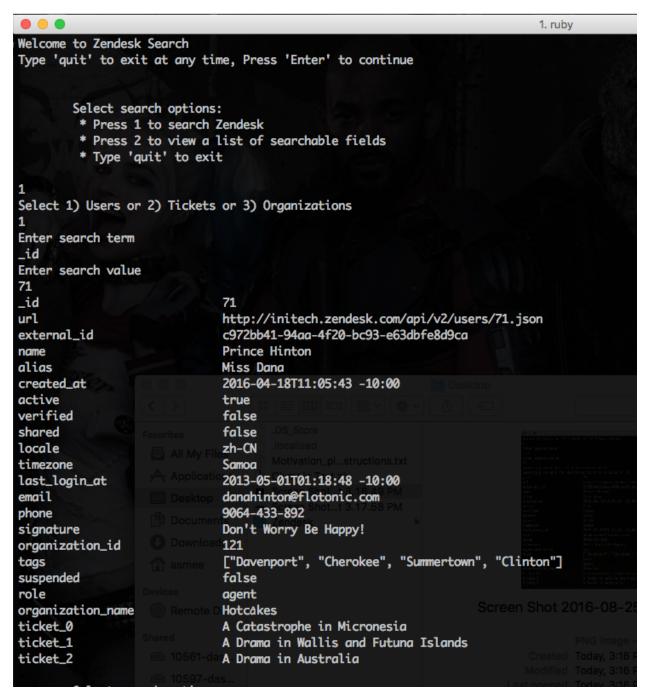
#### **HINTS**

- A member of our team wrote a blog about how to pass a coding challenge: http://chocolatetin.org/2015/08/08/how-to-pass-a-coding-test.html.
- The problem definition is pretty basic if you wish to implement additional (or expanded) functionality that would be awesome please make note of any assumptions or design decisions you make.

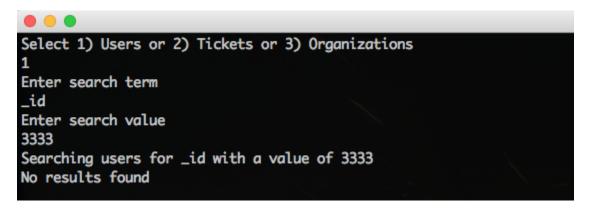
#### SAMPLE OUTPUT

Note: This output is not prescriptive, in fact we encourage you to do better!

## CLI - Display Results



### CLI - No Search Result



### CLI - List Searchable Fields

