Frontend Developer Coding Challenge

# Challenge

Design and implement a user interface which fetches data from OncoKB’s variant API.

The fetched data should be represented in a Gene table (see requirements). In addition, the user interface must also display a bar chart that breaks down counts of data elements by consequence[term]. Finally, a search box should be above the gene table to allow for the user to search the gene table for a specific record by entrez\_id.

The UI may be written in AngularJS, Angular, React, or some other JavaScript framework.

# Requirements

1. Must fetch data from <http://oncokb.org/api/v1/genes/673/variants> and use that data to populate the gene table.
2. Gene table must contain the following columns
   1. Alteration
   2. Hugo Symbol
   3. Entrez Gene Id
   4. OncoGene and or TSG
      1. Only when one or both terms are true
3. Gene breakdown feature should have a bar chart that displays a count of data elements broken down by **consequence[term]**.
4. UI design should be aesthetically pleasing

Alteration HUGO GeneID …

Count

Term

Search