# **Data Platform Engineer**

## Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## Part 1 – Technical Test

You have a file in the following format:

**video\_id,ip,event\_type**

Column event\_type can be any value of: **view, click, impression**

A sample file will look like this:

*1, 64.236.4.133, view*

*1, 64.236.4.133, view*

*2, 64.236.4.133, impression*

*2, 54.72.128.142, click*

Please modify Map Reduce Java program we've provided that will count how many views, impressions or clicks there are in the file per video\_id and country\_code. To detect the country code you will need to use the geoip library. The application we've provided has an example how to use it.

Format of the output file should be:

**video\_id, country\_code, views, impressions, clicks**

Output for the above input will look like this:

*1, UK, 2, 0, 0*

*2, UK, 0, 1, 0*

*2, US, 0, 0, 1*

**Expectations**

Write the **best code** you can. Demonstrate your design and unit testing skills. It's **important** for us to see you can write quality code and **not** just code that works. Think about interfaces, abstractions, testability, performance, exception handling.

Please complete the assignment within 7 days. You will receive **bonus** points if you complete it in 3 days.