# GlobalX Sorting Assessment — Tech Spec Document

This document describes the solution implemented here as a solution for the GlobalX recruiting assessment.

## Name Sorting Problem

The problem to be solved is to sort a list of names by Family Name and then any of one to three possible Given Names. Input to the program is a list of full names, each of the form:

[first given name] [second given name] [third given name] [family name]

The second and third given names are optional.

## The Solution

The solution provided solves the problem by reordering the parts of the full name so that a string comparison can be invoked on the full name where the family name appears before the given names. This is the simplest solution to the problem.

## Problems and Limitations

One problem with the program rests in the fact that the list of family and given names are *space* separated, but some family names have a space such as “von Neumann”. This semantic feature cannot be represented in the input format chosen. We ignore this limitation.

## Tests

## Build Pipeline

## Output

## Sorting Algorithm

## Execution Options