

## Goal

The goal of this assignment is to show your coding skills and what you value in software engineering. We value new ideas so next to the original requirement feel free to improve/add/extend.

We evaluate the assignment depending on your role (Developer/Tester) and your level of seniority.

## The assignment

- Provide a re-usable library that calculates the hamming distance for 2 **binary** input blobs, see [https://en.wikipedia.org/wiki/Hamming\\_distance](https://en.wikipedia.org/wiki/Hamming_distance).
- Integrate the library into a command line that takes in
  - 2 strings and
  - outputs the hamming distance
- Make assumptions in the implementation explicit, choices are good but need to be communicated

## Must haves

- Solution written in C#
- Internal logic shall be under unit test
- Functionality shall be under integration test
- Documentation in code
- Clear and to the point readme on usage

## Nice to haves

- Suggestions for improvement

**Please upload the assignment on your personal GitHub account once finished, and send the link to the responsible Tech Sourcer before deadline.**