

## TASK

A startup company is running a large-scale SaaS application for image analysis. One of the requirements is to be able to tell numbers present in an image. Currently the engine can recognise numbers in the decimal numeral system, but the new requirement is to recognise also Roman numerals. Since the result of the analysis must still be expressed in the decimal numeral system, a conversion is required.

Your task is to implement a solution for the conversion. Since the service is based on microservice architecture, you should implement the conversion as a new microservice with a simple HTTP REST API. You must use C#. Other technologies and implementation details you can choose freely. API should be very simple: It takes a string representing the number in the Roman numeral system as the input and returns the corresponding decimal value as the output.

The startup company values that the solution is working as expected and that the code is easy to follow, possibly even developed further in the future. Development of this first version shouldn't take much longer than two hours.

Please send the code and any other materials in one zip file to [lassi.pesari@qoco.aero](mailto:lassi.pesari@qoco.aero).

Thank you very much!