

## Overview

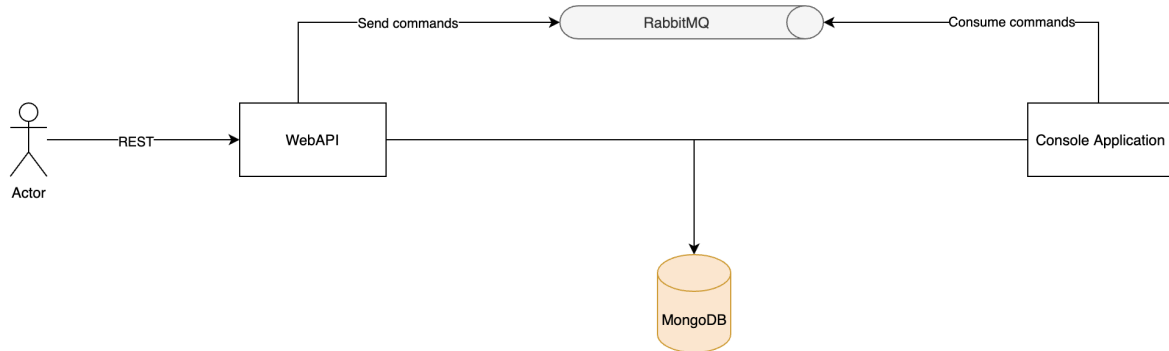
Should be an implemented system which contains 2 simple flows:

- Store user
- Get all users

Bear in mind that endpoints must be protected. Please use [JWT](#) based security for Web API.

Whole system consists of 2 services:

- .net core web api
- .net core console application for listening of rabbitmq queue



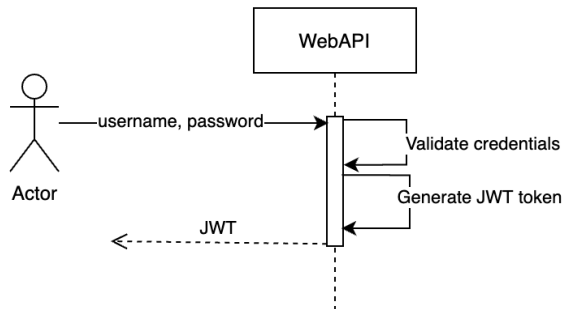
## Technology stack

Below lists of technologies and libraries must be used in the implementation of the task.

- C# /.net core 3.1
- [RabbitMQ](#)
- [Serilog](#)
- [MongoDB](#)

## Flows

1. Get access token (JWT) from API (just store credentials in config file) - based on username and password api must generate new JWT token



2. Add a new user
  - Use JWT token from previous step 1 in order to access create user API.
  - This endpoint receives only username
  - API sends a command to RabbitQM
  - This command consumes Console application
  - Stores new user to MongoDB
3. Get all users
  - Use JWT token from previous step 1 in order to access create user API.
  - Return list of all users from MongoDB

## Data structure

User	
PK	<u>UserId guid NOT NULL</u>
	Name
	CreateDate