

The Best of Chuck

The goal for the exercise is to present coding style, compliance with SOLID principles as well as knowledge of commonly used libraries in .NET framework.

In this task we want to collect resource from external provider and allow usage of it internally without direct dependency on the external services. Exercise consists of 2 parts:

1 - Harvesting:

Collect data and store it in internal NoSQL DB.

Implement time triggered Azure function which will be triggered every configurable 5 minutes (Azure function can be also implemented as e.g.: console app) and pull 10 jokes from external service: <https://rapidapi.com/matchilling/api/chuck-norris/>. Additionally the function should filter out jokes that have more than 200 characters. Database should not contain any duplicated quotes.

Configure logger, error handler and cover the most important parts with unit tests

2 - Provisioning:

Simple Web Rest Api (together with Swagger). That API should allow users to vote for best jokes.

API should be protected with basic authentication/authorization mechanism to support 2 roles:

- user
- admin

Rest API should allow to do following actions:

- List quotes (user, admin)
- Vote for quote (user, admin)
- Reset votes (admin)
- List top 10 (user, admin)

Configure logger, error handler and cover the most important parts with unit tests

