TvMaze Scraper

Background

For a new metadata ingested we need a service that provides the cast of all the tv shows in the TVMaze database, so we can enrich our metadata system with this information. The TVMaze database provides a public REST API that you can query for this data.

http://www.tvmaze.com/api
This API requires no authentication but it is rate limited, so keep that in mind.

Assignment

We want you to create an application that:
1. scrapes the TVMaze API for show and cast information;
2. persists the data in storage;
3. provides the scraped data using a REST API.

We want the REST API to satisfy the following business requirements.
1. It should provide a paginated list of all tv shows containing the id of the TV show and a list of all the cast that are playing in that TV show.
2. The list of the cast must be ordered by birthday descending.

The REST API should provide a JSON response when a call to a HTTP endpoint is made (it's up to you what URI).

Example response:
```
[
 {
  "id": 1,
  "name": "Game of Thrones",
  "cast": [
   {
    "id": 7,
    "name": "Mike Vogel",
    "birthday": "1979-07-17"
   },
   {
    "id": 9,
    "name": "Dean Norris",
    "birthday": "1963-04-08"
   }
  ]
```

  },
  {
   "id": 4,
   "name": "Big Bang Theory",
   "cast": [
    {
     "id": 6,
     "name": "Michael Emerson",
     "birthday": "1950-01-01"
    }
   ]
  }
]

Guidelines

1. Write your solution using .NET Core 2.x.
2. Make your solution available in a public GIT repository (e.g. GitHub) for the duration of the interview process.