

## Technical test

Connectr, our onboarding platform, uses a combination of content, quiz-style self assessment and personalisation to help our clients find top talent and our users find great employers. We have big plans for Connectr, and are currently building a new version to support an ambitious Product roadmap. This test is designed to assess the skills we use everyday.

### Goal

Build an API that allows clients to query and add additional data. The data – based on the Star Wars [swapi.dev](https://swapi.dev) API – is included as a set of JSON files. This data can be used however you like (including converting to other formats). Any data added – such as in requirement 2 – does not need to survive an application restart.

### Duration

Aim to showcase your C# skills and demonstrate a solution approach. We are not looking for a polished UI, and feel free to use frameworks, scaffolding and Nuget packages. Aim to complete requirements 1 & 2 which we expect might take between 60–90 minutes. If you have more time, please do continue but if not there will be an opportunity during the interview process to demonstrate how any missing requirements would be met.

### Requirements (priority order)

1. **Allow clients to retrieve a list of all the films.** This should include the film name, featured and the name of all the characters featured.
2. **Allow clients to create a character.** The character should have a name, an optional birth year, one species, and one or more films.
3. **Update the endpoint created in 1 to include paging.**
4. **Update the endpoint created in 1 to allow filtering by species.** The client should be able to specify a species and only films that featured that species should be returned.

5. **Update the endpoint created in 1 to allow filtering by planet.** The client should be able to specify a planet and only films that featured that planet should be returned.

### Criteria for Assessment

- Coding style
- Your overall solution approach
- Maintainability and extensibility
- Meeting the requirements

### When you're done!

Please zip your solution or upload to github and share with [rich@mykindafuture.com](mailto:rich@mykindafuture.com).

This is a new test so we are really interested in hearing your feedback.