



Back-end developer task

Create an ASP.NET WebAPI (4 or Core) back-end web service for providing news streams from different sources. Service should function like Feedly (<https://feedly.com/>).

Requirements to functionality

- should allow clients to manage feed collections
- access all news items in those collections
- extensively cache data to minimize external requests. As a start, use RSS or Atom feeds, but architecture should be extensible to support adding new types of feed sources in the future (3rd party services, web scraping, etc).
- return data in its own format, so create custom models for all data types, not just redirect XML feeds to the clients.
- be a headless Web API REST service, no UI needed

Necessary functions:

- Create a new collection (returns collection Id)
- Add feed to a collection
- Get all news for a collection
- Caching of feed data
- A simple (console or GUI) test application to show API interaction

Plus will be:

- C#/.net client SDK
- Authentication
- Persistence
- Logging
- Tests

Projects will be tested on latest Visual Studio 2017 Community/Pro with Core and Web tools installed.