

Feed Reader

The goal of the task is to get insight into the developer's skill, experience and way of working. This is done by requesting the implementation of a feed reader app and backend.

Objectives

Implement an app using Angular, that stores, lists and presents articles from feeds, for example RSS.

Implement a server backend that allows a simulated login, but no real authentication, to store feed definitions, title and url, per username.

Present the solution with the tools and technologies used and the implementation choices that were made.

1. An app with login screen and a list of feed definitions.
2. Extend the app to fetch the current articles of a feed and show the current articles of a single feed with title and date. Use for example:

NASA Breaking news: https://www.nasa.gov/rss/dyn/breaking_news.rss

Reddit front page: <https://www.reddit.com/.rss>

Mobile World Live: <https://www.mobileworldlive.com/latest-stories/feed/>

When the user taps a feed item, the app fetches the articles from the feed and shows them in a new screen, then each article can be tapped, and the app shows the article in a new screen.

3. Provide a server-side API that provides a simulated login, create, fetch and delete feed definitions stored in a JSON file or online database for simplicity.
4. When the app starts, fetch the feed definitions from the server, and allow user to add and remove feed definitions from both app and server backend.

Resources and Specifications

App

The app shall be built using the latest Angular.

Login screen -> username, password (hard coded)

Logout

Fetches feeds (3 standard + added)

List view All feeds

delete feed

add feed

List view feed articles

Display article detail

API

The api shall be specified in swagger and implemented in node.js.

The methods shall be:

Login (username, pass) -> returns status 200

- registerFeed(username, title, url)

- fetchFeeds(username)

- deleteFeed(username, title)

The feed definitions shall be stored per username in a JSON file on disk for simplicity.

Implement CORS in the API so that the app can also be developed and tested in the desktop browser.

Good luck! We are waiting for your result here: sofiya.rozputnya@incorainc.com

