

Wiredrive helps businesses present their digital media creations to their clients. One option for delivering media is via an RSS feed. As Wiredrive evolves, we'd like to offer more JSON-formatted API endpoints to support a broader variety of modern web and mobile applications.

Please use the RSS feed at the following URL as a point of reference to complete the following exercises in the language and framework of your choice:

<http://www.wdcdn.net/rss/presentation/library/client/iowa/id/e5d10087fd878ba5dc8ea7857495710b>

All endpoints in this exercise should respond in JSON format.

1. Create a RESTful API which supports the creation, viewing, modification and deletion (CRUD lifecycle) of "Assets". Each asset should have (at minimum) title, description, creation date, and thumbnail image URL attributes.
2. Create an additional CRUD endpoint for "Credits". Credits (e.g. agency, client, director, producer, etc.) are associated with assets. See the RSS feed for reference.
3. Allow API consumers to request assets in alphabetical or reverse alphabetical order based on the asset's "title" attribute.
4. Allow API consumers to find all credits for a given asset (e.g. for the "Phone" asset, credits include "Client: MTV Choose or Lose" and "Director: Bryan Buckely", etc.).
5. Allow API consumers to request a smaller number of records than the total number of records (e.g. limit results to the first 5 records).

Bonus points for showing all the assets by credit (e.g. all the assets by the Director "Bryan Buckely").

Remember Beyoncé's advice to programmers: "If you liked it, then you should've put a TEST on it."