

Django Developer coding challenge

In this challenge, you are asked to design and implement a simple feature in Django, that we will discuss in the in-house interview. For your implementation, you have the freedom to add anything you see fit. You can create the project structure to your preference.

Finally, your solution should be as close to a working example as possible.

Bookmark deletion from json data:

- Create a REST endpoint that receives a list of URLs - API Spec up to you
- Retrieves bookmarks from helper function provided. Bookmarks are in the form of an unsorted tree of arbitrary depth and breadth in the JSON schema is shown below
- Removes from the tree all given URLs found in the list posted
- Stores the tree back to the database using the second helper function found below

Bookmarks Schema

data:

- list: entry

entry:

- entries - list: entry
- name: str
- url: str - optional

Instructions

- Retrieve the data using a function `retrieve_bookmarks()` -> `BookmarkData`
- Store the data using a function `store_bookmarks(bookmark_data)` -> `BookmarkData`
-> Exception
- Assume that at most one instance of each URL can exist in the tree
- Assume that tree fits in memory

Evaluation will be based on:

- Approach to rest endpoint design and implementation
- Modularity
- Clean Code
- Efficiency of the algorithm
- Scalability & Parallelism