

[https://drive.google.com/drive/folders/1\\_AVOslb7hwAcM08uUjWeq9BGPT9y8p6q?usp=sharing](https://drive.google.com/drive/folders/1_AVOslb7hwAcM08uUjWeq9BGPT9y8p6q?usp=sharing)

- 1) Import the provided data file, containing a set of articles used for analysis to a relational database of your choosing. The schema of the table should contain all provided column names as in csv file header. You are permitted (but not required) to use an ORM to manage the database.
- 2) Create REST server application in Python that connects to the database used in step 1 and provide 3 service endpoints returning JSON responses with the following content:

- **get\_article(article\_id)** - that allows to query for the entry by article ID and returns it
- **search\_articles(key\_word)** - allows to search for a particular word in the content data and returns all matching rows, make sure that response is quick.
- **get\_article()** - returns the next article from database that hasn't been returned yet for particular user. The status of already sent articles should be stored in the database

All endpoints should be “authorized” with a token, model very simple authorization mechanism storing username and token in the database.

- 3) Provide unit tests for the implementation.

Considerations:

Consider the tradeoffs in the application such as ones made toward performance and/or scalability. The dump can contain multiple gigabytes of data.

Include in your submission the setup scripts and automation required to run your solution on a clean environment.

Please share the solution with us via Github or Bitbucket