***Code Review***

Reviewer: Miranda

File Name: database.py

Version Name: a6ce32a

Location: team01-Project/src/database.py

Correctness:

This file’s code nicely achieves our expectation of Database function.

However, there is a minor issue at line 330: “articles.source\_id” should be “article.source\_id” instead.

Documentation:

Frequent use of documentation, and has specific comments for all major sections.

Line 32: it will be better if there is more information about “foreign key”

Line 97, 106: it will be better if there is more detail about “duplicate detection trigger”

Line 284 needs more clarity, and ‘value’ should be changed to ‘values’ as it refers to both the filter and the parameter

Line 353&373: the doc-string here doesn’t match the inputs’ quantity and type; add two more to be consistent with actual input.

Line 373: this function has only 1 input variable, so it would make sense to change from “combination of filters” to a single input variable description.

Moreover, for the “get\_” functions, the input variables vary, but the doc-string uses “combination of filters” to include all cases; it will be better if you add more a detailed description for the variables, and will also be very helpful to give an example of how to call the function

Coding Style:

Good use of coding style and coding conventions are followed.

No issue exists with PEP8 style checking.

Usability:

Good level of usability, and has detailed features to support other classes/functions(get\_by\_id(); get\_keywords() by name; get\_articles() by source).

Testing

Well written test cases. Test cases look at the core functionality.

The tests for article and source related tests all pass, and can be improved by adding tests for calls to get\_articles with more varied input parameters.