**University of Leeds School of Computing**

**COMP3011, 2023-2024**

**Web Services and Web Data**

A RESTful API for

News Aggregation

By

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# Introduction

Explain how much of the coursework you have been able to implement (for example, have you been able to implement all features or just the database).

Clearly state that you have uploaded the Django server code to pythonanywhere.com and that you have written the client in Python 3.x and thoroughly tested it.

Also, state the following:

1. The URL of your pythonanywhere account.
2. A superuser name and password that the assessor of your coursework can use to access the admin site of your service.

(Restrict this section to a maximum of half a page)

So far in this project, the following has been implemented:

* The Database
* Login, Logout, and user authentication
* Post, get and delete stories

The client was written in Python 3.10.2 and was thoroughly tested.

The initial testing of the features was done using HTTPie requests in the terminal, to ensure that our views worked correctly. After implementing each view and testing it, the client application was written and tested as follows:

The testing of the client was done manually for each individual feature with multiple inputs. Some were valid and some were invalid (both return values and server status codes were checked to make sure they match the spec). For functions that required being logged in, they were tested without logging in to ensure the system does not break.

# The Database

Clearly but briefly explain the implementation of the Django database model of the service.

(Restrict this section to a maximum of half a page)

# The APIs

Clearly yet briefly explain how you implemented your APIs.

(Restrict this section to a maximum of one page)

# The Client

Clearly but briefly explain how you implemented the client.

(Restrict this to a maximum of one page)