**University of Leeds School of Computer Science**

**COMP3011, 2024-2025**

**Web Services and Web Data**

A RESTful API for

Rating Professors

By

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# The Database

Clearly explain the design and implementation of the database model of the service. You must specify all tables, the fields of each table and the data type for each field, and the relationships between tables. You should also indicate which fields have unique values.

(Restrict this section to a maximum of one page)

# The API

Clearly explain your API. For each API endpoint, you must specify: the purpose of the API, the URL, the HTTP method, the request and response data, and the status codes returned by the server for various situations.

(Restrict this section to a maximum of 2 pages)

# The Client

Clearly but briefly explain how you implemented the client and accounted for user input errors and exceptions in server response messages.

(Restrict this to a maximum of half a page)

# Using the client

You should provide clear and complete instructions on how the client can be used and the syntax of the commands. Ambiguous or incomplete instructions will make it difficult for the assessor to test your client and could result in the loss of marks.

State if there are some libraries that should be pip-installed to run the client.

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