**Automwrite – Take home assessment**

**Q1 2025**

**What you are provided**

* You are given a REST API
  + You are given one endpoint /api/user-request (rename as you see fit) that takes in a .txt file. This triggers processing the user intent and outputting it in a .docx file.
  + Two JSON files representing objects in the codebase
    - The first JSON represents information about a client
    - The second JSON represents information about the organization and possible outcomes for the user
  + You are also provided with an LLM service that can take in a string and output a new string using Claude, you may use this LLM service how you see fit
  + You can request a key should you not have your own
* We are using Java 17 and the Apache POI dependency
* You are given:
  + a .txt file representing user intent
  + a template where the user intent is to be inserted

**Assessment**

* + Parse the user intent to receive the desired output in a new document
  + User intent draws off of the objects created from objects created using information from the JSON files provided.
  + Once the user intent has been processed it should be inserted into the relevant section in the word document. It must contain details from the origin JSON (like plan information) and details from the transfer destination (more plan info from the second organisation JSON).
  + The output ideally should be saved as a .docx
  + Feel free to use your own equivalent JSONS or intent .txt files if of equivalent complexity should you find this preferable.

**Examples**

Example 1:

Input 1: Input user intent 1

* User intent -> I want to transfer my pension from Aviva to Fidelity

Output: Desired output from user intent

* Pension transfer letter from Aviva to Fidelity

Any further questions related to the assessment please contact:

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