

See `src/agent/tests/agent_test.py` for information.

Also relevant is `agent.py`.

`Synonym_test()`: This verifies that the synonym recognition has been performed correctly, by querying two identical sentences where the only difference is that one word has been replaced with a synonym of it. Everything is controlled except for this, so if both queries return the same, the test is fine.

`Sentiment_test()`: Our sentiment analysis essentially verifies whether the sentiment of a sentence is below a given amount. So, if we query a sentence that is known to have low enough sentiment, it should return a string that includes a low-sentiment response. There are six of these that are randomly chosen, so to be certain we find one, I've included all six and test for each.

`Spellcheck_test()`: Self-explanatory. The two queries are identical, barring the typo on "medicine" to "medacine," which Word seems hellbent on correcting itself. Verifying that the results are equal verifies that spellcheck is functional.