**Batterbot Project Documentation**

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**List of API’s exported:**

***Response Template:*** This jar allows the user to create and use dynamic response objects. It allows the user to create response objects with a base response, substitutable words, and associated keywords. There are several classes and inferfaces in the jar.

**List of features implemented:**

***1. Google Translate API:*** Use of this API in the Translation.java class allows the conversation to take place in French. It could also easily be expanded to include other languages. The overall system looks for a french flag, when this flag is raised the language processor translates the input from french to english before processing it, and the response builder translates the response back from english to french immediately before returning it. Which all to say that the processing of the conversation is still done in english.

EX: YOU: qui est votre pere

Batman: Je ne veux pas parler de mon père .

***2. Twitter API:*** Use of this API in the tweet.java class allows searching of the 20 most recent tweets of a given (public) twitter handle, in this case @TheBatman. The system uses this API to display the tweets in the GUI and also to allow the user to ask batman about some of those tweets.

EX: YOU: You fight sharks?

Batman: Yeah, I fight sharks from time to time...

***3. Wolfram-Alpha API:*** Use of this API in the Wolfram.java class allows querying Wolfram-Alpha for synonyms of the given word. The system uses this API to search for synonyms to words in the user input in the case that nothing else generates a response. These synonyms are then checked against the existing keywords.

EX: YOU: jump

Batman: I can jump pretty damn high

YOU: bound

Batman: I can jump pretty damn high...As I've already told you. My time is precious