LING 508 Project Milestone: Use Cases
By Hinoki Crum
Due July 10, 2022

Use Cases:

1. <u>Part Of Speech (POS)</u> – the app takes a sentence in Japanese or Korean from web as input, and returns a single morpheme and the POS in English for each word.

   Example 1: Input = 나는 열심히 공부한다.

   Output = (나, Noun), (는, Josa*), (열심히, Adverb), (공부, Noun), (하다, Verb).

   * Josa means postpositional particle.

2. <u>Translation from Japanese or Korean to English</u> – the app takes a sentence or sentences in Japanese or Korean from web as input and returns a sentence or sentences in English.

   Example 2: Input = 旅行に行きたい!

   Output = I want to go on a trip!

3. <u>Translation from Japanese to Korean or from Korean to Japanese</u> - the app takes a sentence or sentences in Japanese or Korean from web as input and returns a sentence or sentences in Korean (if input = Japanese) or Japanese (if input = Korean).

   Example 3: Input = 猫は基本的に、ほかの動物を捕らえて食べる肉食動物です

   Output = 고양이는 기본적으로 다른 동물을 잡고 먹는 육식 동물입니다

4. <u>Compute TFIDFs of Korean words and Japanese words</u> (separately) in document obtained from web.