### Instructions for Extracting Product Features and Affordances from Product Descriptions (JSON Output):

1. \*\*Input\*\*:

- Provide the product description as a text input.

2. \*\*Output\*\*:

- The output will be a JSON object with two key-value pairs:

- `"product\_features"`: An array of extracted product features.

- `"product\_affordances"`: An array of extracted product affordances.

3. \*\*Extraction Rules\*\*:

- \*\*Product Features\*\*:

- Extracted based on the following linguistic patterns:

1. \*\*Nouns\*\* that describe product components and attributes.

2. \*\*Linking verbs\*\* adjacent to a product name or product component.

- \*\*Product Affordances\*\*:

- Extracted based on the following linguistic patterns:

1. \*\*Action verbs\*\*, except for stative verbs, emotional verbs, or verbs where the product is not involved.

2. \*\*Nouns and adjectives\*\* derived from verbs, especially those with the suffixes "-able", "-ible", or "-ity(-ities)".

3. The \*\*action receiver\*\* is the object of the action word.