# **Catalog Processor**

**API Services:**

## **Spell Check**

* Predicts the correctly spelled word for any misspelled word present in the catalog

## **Splitting Merged Attributes**

* Predicts the right attribute of a product where more than one attributes are listed in a group
  + Categories like “**shoes & socks**”, which is a union of multiple categories are often found in most e-commerce catalogs
  + service takes the **merged** **attribute** and **product** **data** as input and returns the **relevant** one
    - shoes & socks => socks

## **Missing Attributes**

* Service predicts the right attributes for a product if the value is missing from the catalog

## **Discrepancy detection in catalog**

* Identification of any kind of discrepancy in entire catalog like wrong tag or wrong description or wrong categories (l1, l2 or l3) or maybe wrong image corresponding to a given description for any product.

## **Explicit Tagging**

* Textual Tags (tags extracted from product textual description)
* Image Tags (tags extracted from objects and other features in product image)

## **Implicit Tagging**

* Thematic or occasional tags
  + **Ex:** **‘beachwear’** or **‘winter clothes’** or **‘wedding wear’** in fashion
  + **‘leafy vegetables’** or **‘root vegetables’** in grocery

## **Product Enrichment**

* Popularity based tags
  + trending, fast selling, best seller, high rating etc.
* Inventory Based
  + out of stock, fast depleting, broken style etc.

Products at different location will be marked with different tag as these tags are based on the location where the product is getting sold

## **Defining Searchable fields and their order**

* Identification of searchable fields and the order in which search should happen for a query