### **Objective:**

To develop a solution to enhance the search experience for Zepto. The goal is to improve the relevance and accuracy of search results, ultimately leading to a better user experience and increased conversion rates.

### **Overview:**

The assignment involves building a retrieval system: given a search term, return a list of relevant products from the given dataset.

### **Data:**

* data.zip

### **Deliverables:**

* Do an EDA of the dataset provided and report relevant information.
* Build a retrieval system to query relevant products for a given search term and also mention if you are using any metrics to track the improvement of your solutions.
* Create a doc detailing your approach.
* **Bonus task:** Build a running demo to visualize the results. Given a search term, return a list of product names. You can use Fastapi/Streamlit/Gradio, etc.

### **Bonus Points:**

* Handle malformed or incomplete search terms.
* Handle multilingual queries.
* Compare a heuristical and a ml-based model and provide examples where one performs better than the other?

### **Hints:**

* Read about retrieval, ranking, vector search, retrieval metrics.