

**DSA PROJECT**

**AMAZON REVIEWS**

**ANALYSIS**

**Group Members:**

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**Abstract:**

In this project we have tried to devise insights from the existing datasets of the different categories of products available on Amazon.com (Apparel, toys and shoes).

**Problem Statement:**

* To devise insights about a product category
* To analyze the top selling products in a certain niche
* To search for products on the basis of their rating
* To search for products on the basis of keywords

**Program Structure:**

The program structure contains of two main options

* **Choose your dataset:**

The program gives the option to choose from 3 niches:

* 1. Apparel
  2. Toys
  3. Shoes
* Choose one of the given options
  1. Search for a product on the basis of Product ID
  2. Find the Regularly bought products
  3. Find the Hot selling products in this niche
  4. Analyze the main keywords of the product review
  5. Extract products on the basis of review rating and specific keywords
     + Sellers can use this feature to analyze the bad products of the category and use this feature to further improve their product.

**Technologies used in the Project:**

1. Used C++ Language for the project
2. The IDE Used in this project was Visual Studio Code
3. The Data Set used can be found [here](https://www.kaggle.com/cynthiarempel/amazon-us-customer-reviews-dataset/version/9?select=amazon_reviews_us_Apparel_v1_00.tsv).

**THE END**