

# Task: Identify Offline Gift Card Brands Available in Shopping Malls

## Background

We have already shared: - A list of **1252 shopping malls** - For each mall, a list of **store names collected from Google Maps** - A list of **offline gift card brands/products** with their names and known variations

Store names inside malls are often written differently, so exact name matching does not work. The goal is to **identify which gift card brands are present in each mall** and **save the result in our database**.

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## Objective

For each shopping mall: - Find out **which offline gift card brands are available** - Save the result as **one record per mall** - Each mall record must contain **at least one product** if any brand is found

If no brand is found for a mall, it can be skipped.

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## What You Need to Do

### 1. Use Only the Data Already Shared

- Do **not** collect new data
  - Do **not** use Google or any external sources
  - Work only with:
    - Mall data
    - Store lists inside each mall
    - Offline gift card brand list
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### 2. Understand Store Name Variations

Store names may include: - Mall name - City name - Extra words like “store”, “exclusive”, “world”, etc.

Examples: - “Titan World – Brigade Orion Mall, Bengaluru” - “VERO MODA – Bengaluru – Orion Mall” - “W For Woman” - “Victoria’s Secret”

All of these should still correctly map to their respective brands.

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### 3. Identify Brand Presence

- Go through **all store names inside a mall**
- Check if **any store belongs to a gift card brand**
- If even **one store matches**, that brand is considered available in the mall
- Each brand should appear **only once per mall**

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#### 4. Save the Result

For every mall where at least one brand is found: - Create **one record for the mall** - Add a list of products/brands found in that mall - Each record must contain **at least one product**

If a mall has no matching brands, do not save it.

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#### Expected Result Format (Conceptual)

Each saved mall record should include: - Mall Name - City - State - List of products available in that mall:  
- Brand name - Product ID - Store name where it was found

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#### Important Rules

- Each mall = **one record**
  - Each record must have **at least one product**
  - No duplicate brands inside the same mall
  - Accuracy is more important than speed
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#### Delivery Requirement

- Save the final output into the database
  - Store the work in **GitHub**
  - Share GitHub access once completed
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#### Priority

High. This data will be used for **offline gift card enablement**, so correctness is critical.

If anything is unclear, ask **before starting the work**.