

## Big User Stories

- **Title:** View Each Store and Its Inventory
- **Description:** Users can browse different stores and check the available inventory and pricing for products.
- **Details:**
  - Store listings with up-to-date inventory and pricing.
  - Search and filter products by store, category, and availability.
  - Price tracking over time.
- **Priority:** High
- **Time Estimate:** 6 story points (6 days)

1

- **Title:** Compare Prices from Different Stores on the Same Items
- **Description:** Users can compare prices for the same product across multiple stores to find the best deal.
- **Details:**
  - Compare price differences across stores.
  - Price history tracking for each store.
  - Sorting options based on price, store location, and availability.
- **Priority:** High
- **Time Estimate:** 5 story points (5 days)

2

- **Title:** Create a Grocery List and Select a Store with the Cheapest Overall Total
- **Description:** Users can create shopping lists and find which store offers the lowest total cost.
- **Details:**
  - Allow users to add multiple products to a grocery list.
  - Automatically calculate the total price for different stores.
  - Suggest the cheapest store for the entire list.
- **Priority:** Medium
- **Time Estimate:** 5 story points (5 days)

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## Detailed User Stories

- **Title:** Compare Product Prices from Multiple Stores
- **Description:** As a shopper, they would want to compare product prices across multiple stores so that they can find the best deal.
- **Details:**
  - Users can search for a product and see the price differences.
  - Display list of stores with prices and availability.
  - Allow filtering by store name, location, and stock availability.
  - Data is updated periodically to ensure accuracy.
- **Priority:** High
- **Time Estimate:** 3 story points (3 days)
- **Unanswered Questions:**
  - Should users be able to set price alerts?

4

- **Title:** Display Profit Margins to Compare on Each Item
- **Description:** As a consumer, they would want to see how much a product costs to produce versus how much it is sold for so that they can identify overpriced items.
- **Details:**
  - Display profit margin percentage for each product.
  - System estimates production cost based on industry averages
  - Highlight items with high profit margins using a visual indicator
  - Users can filter/search products by profit margin range.
- **Priority:** Medium
- **Time Estimate:** 4 story points (4 days)

5

- **Title:** Track Price History by Store on the Same Product
- **Description:** As a shopper, they would want to track how a product's price changes over time in different stores so that they can decide when and where to buy.
- **Details:**
  - Users can select a product and view its price history per store.
  - Show a graph of price changes over the last month 6 months, or year.
  - Allow filtering by store, location, and time period.
  - Notify users when a product's price drops at a specific store.
- **Priority:** High
- **Time Estimate:** 5 story points (5 days)

6

- **Title:** Comparing Profits Gained from Products Year Over Year
- **Description:** As a business owner, they would want to analyze profit changes over multiple years so that they can understand market trends.
- **Details:**
  - Users can select a product and view its yearly profit changes.
  - Display percentage increase or decrease in profit margins over time.
  - Provide a graph visualization showing trends across multiple years.
  - Allow users to compare multiple years side by side.
- **Priority:** Medium
- **Time Estimate:** 3 story points (3 days)

7

- **Title:** Sort and Filter Products
- **Description:** As a shopper, they would want to sort products by different criteria so that they can quickly find what I need.
- **Details:**
  - Users can sort products by:
    - Price (Low → High, High → Low)
    - Percentage change in price
    - Date of last price update
    - Product name (A-Z, Z-A)
  - Sorting applies to search results and comparison lists.
  - The sorting should be fast and efficient even with large datasets.
- **Priority:** High
- **Time Estimate:** 2 story points (2 days)

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