

## MEETHEGROUP



2005031 - Soumik Bhattacharjee

2005033 - Somik Dasgupta

2005041 - Imtiaz Kabir

2005046 - Tusher Bhomik

2005047 - Akanta Das

2005058 - Shabab Mosharraf



# SHOW RECOMMENDED DEALS WITH CUSTOM SEARCH

**SCENARIO** 

THE SYSTEM PRESENTS RECOMMENDED DEALS WITH AN OPTION TO SEARCH AND FILTER PRODUCTS



PRECONDITIONS

- BUYER IS SIGNED IN
- LOCATION, BROWSING HISTORY, OR OTHER RELEVANT DATA IS AVAILABLE.

BUYER SIGNS IN AND NAVIGATES TO THE HOMEPAGE.



SYSTEM DISPLAYS
PERSONALIZED AND
TRENDING DEALS
BASED ON THE
BUYER'S DATA.



BUYER PERFORMS SEARCHES WITH FILTERS TO REFINE RESULTS



SYSTEM RETURNS
SEARCH RESULTS
FILTERED BY
APPLIED CRITERIA

## TESTCASES OF SHOW RECOMMENDED DEALS WITH CUSTOM SEARCH

## 1.DISPLAY PERSONALIZED AND TRENDING DEALS FOR RETURNING USER

(HOMEPAGE DISPLAYS RELEVANT PERSONALIZED AND TRENDING DEALS.)

# 2.DISPLAY GENERAL DEALS FOR NEW USER (DISPLAYS GENERAL TRENDING DEALS DUE TO LACK OF PERSONALIZATION DATA)

3. SEARCH WITH VALID FILTERS

(FILTERED SEARCH RESULTS DISPLAYED SUCCESSFULLY.)

## TESTCASES OF SHOW RECOMMENDED DEALS WITH CUSTOM SEARCH

- 4.SEARCH WITH NO MATCHING RESULTS
  (NO RESULTS FOUND MESSAGE DISPLAYED.)
  5.EMPTY SEARCH TERM WITHOUT FILTERS
  (FILTERED RECOMMENDED DEALS DISPLAYED.)
- 6. INVALID SEARCH FILTERS
  (ERROR MESSAGE DISPLAYED FOR INVALID FILTERS.)

"name": "Search with Valid Filters",
"description": "Verify search results based on valid filters.",

```
"input": {
     "searchTerm": "",
     "filters": {
          "priceRange": "300-800",
          "location": "within 30 miles",
          "rating": "4+"
     "buyerData": {
          "location": "Dhaka",
          "previousBrowsingHistory": [
                "Laptops",
                "Headphones"
          "userPreferences": [
                "High Ratings",
                "Discounts"
```



```
"expected": {
    "outcome": "Filtered search results",
    "status": "Success",
    "searchResults": "Filtered by criteria"
}
```

#### TEST CASE: SEARCH WITH VALID FILTERS

## **DESCRIPTION**: VERIFY THAT THE SYSTEM RETURNS SEARCH RESULTS BASED ON VALID FILTER CRITERIA

#### Input

Search Term: Smartphone,

Filters:

• Price Range: 300-800

• Location: within 30 miles

• Rating: 4+

#### **Buyer Data:**

Location: Sylhet

Browsing History: Walton, Laptops

• Preferences: Discounts, Low Price



#### Output

List of relevant deals filtered by criteria

# VIEW DEAL DETAILS AND ANALYTICS

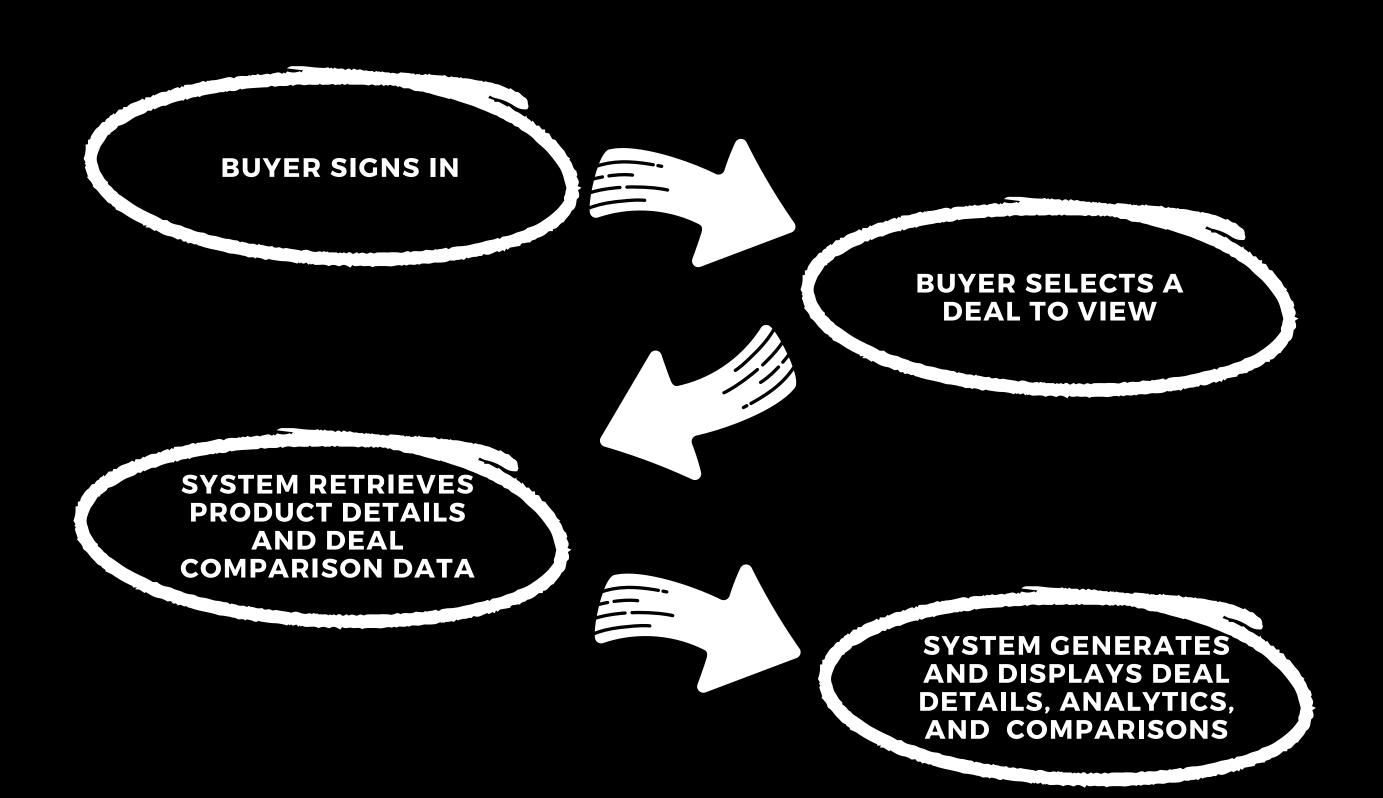
**SCENARIO** 

BUYER VIEWS DEAL DETAILS WITH ANALYTICS SUCH AS PRICE TREND, RATING, QUALITY ETC. AND COMPARISON WITH RELATED PRODUCTS



**PRECONDITIONS** 

- BUYER SIGNED IN
- BUYER SELECTED A DEAL TO VIEW



#### TESTCASES OF VIEW DEAL DETAILS AND ANALYTICS

1.DISPLAY ALL DEAL DETAILS AND ANALYTICS
(ALL DEAL DETAILS AND ANALYTICS DISPLAYED,
INCLUDING PRICE TRENDS, RATINGS, QUALITY ANALYSIS, AND
COMPARISONS.)

2.DISPLAY LIMITED ANALYTICS

(AVAILABLE DETAILS AND ANALYTICS DISPLAYED WITH 'NO ANALYTICS AVAILABLE' MESSAGE FOR MISSING DATA.)

3.DISPLAY ALL DETAILS WITHOUT DEAL COMPARISON

(ALL DEAL DETAILS AND ANALYTICS DISPLAYED WITHOUT COMPARISONS WITH RELATED DEALS.)

"name": "Display deal details and analytics",

"description": "Verify that the full details of the deal, including price trends, ratings, quality analysis, and comparison with related products, are displayed

```
"input": {
    "dealID": "Deal567",
    "relatedDeals": [
        "Deal123",
        "Deal456"
    ]
}
```



```
"expected": {
     "outcome": "Deal details and analytics displayed,
                  including price trends, ratings, quality
                  analysis, and comparisons.",
     "status": "Success",
     "details": {
      "priceTrends": "visible",
      "ratings": "visible",
      "qualityAnalysis": "visible",
      "comparison": {
       "relatedDealsCompared": 2,
       "graphDisplayed": true
      "pricePrediction": "visible",
      "optimalPurchaseTime": "visible"
```

#### TEST CASE: DISPLAY DEAL DETAILS AND ANALYTICS

**DESCRIPTION**: VERIFY THAT THE FULL DETAILS OF THE DEAL, INCLUDING PRICE TRENDS, RATINGS, QUALITY ANALYSIS, AND COMPARISON WITH RELATED PRODUCTS, ARE DISPLAYED

#### Input

**Deal ID**: Deal567 **Deals to compare**:

- Deal123
- Deal456



#### Output

Details of the selected deal (price trend, rating, quality) including detailed analysis, and comparisons

# SELLER ANALYTICS ON PRODUCT

**SCENARIO** 

SELLERS VIEW ANALYTICS RELATED TO THEIR PRODUCTS, INCLUDING SALES TRENDS, MARKET DEMAND, AND COMPETITOR PERFORMANCE, ENABLING DATA-DRIVEN DECISIONS.

**ACTORS** 

- SELLER
- DEAL ANALYTICS ENGINE

PRECONDITIONS

 SELLER HAS PRODUCTS LISTED ON THE PLATFORM AND HAS ACCESS TO THE ANALYTICS DASHBOARD

SELLER LOGS INTO THE PLATFORM AND ACCESS THE DASHBOARD



SELLER SELECTS
SPECIFIC ANALYTICS
OPTIONS

SYSTEM PROCESSES
SELECTED DATA
AND PROVIDES
INSIGHTS



SELLER REVIEWS
THE DATA AND
EXPORTS TO MAKE
DECISIONS

### TESTCASE OF SELLER ANALYTICS SUBSYSTEM

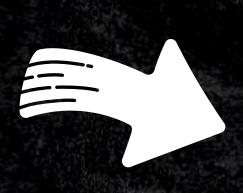
- 1. VIEW PRODUCT PERFORMANCE (NORMAL CONDITION, NO SALES DATA)
- 2. **DEMAND FORECASTING** (SEASONAL PRODUCT, NEW PRODUCT)
- 3. COMPETITOR ANALYSIS (SIMILAR PRODUCT AVAILABLE, NO COMPETITION)
- 4. SALES TREND ANALYSIS (HIGH SALES VOLUME, LOW OR FLUCTUATING SALES)

## TESTCASE OF SELLER ANALYTICS SUBSYSTEM

- 1. INVENTORY RECOMMENDATIONS
  (HIGH DEMAND, LOW DEMAND)
- 2. PRICE OPTIMIZATION SUGGESTION (HIGHLY COMPETITIVE, LESS COMPETITION)
- 3. REVIEW AND FEEDBACK INSIGHTS
  (HIGH VOLUME OF REVIEWS, LOW
  VOLUME OF REVIEWS)
- **4. INVALID ANALYTICS REQUEST**

"name": "Competitor Analysis - Similar Product Available", "description": "Verify that the seller can view competitor analysis for a product with similar listings, displaying competitors' prices, ratings, and recent trends."

```
"input": {
    "sellerID": "S1003",
    "productID": "P4001",
    "analyticsType": "competitor analysis"
},
```



```
"expected": {
  "outcome": "Competitor data displayed",
  "status": "Visible",
  "metrics": [
    "competitor prices",
    "ratings",
    "trends"
]
```

#### TEST CASE: INVENTORY RECOMMENDATIONS - HIGH DEMAND PRODUCT

**DESCRIPTION**: VERIFY THAT THE SYSTEM SUGGESTS OPTIMAL RESTOCK QUANTITIES AND TIMING FOR HIGH-DEMAND PRODUCTS BASED ON RECENT TRENDS.

#### Input

#### Input:

- Seller ID: S1005
- Product ID: P6001
- Analytics Type: Inventory Recommendation



#### Output

Restock recommendation displayed on a given time frame (eg. next week)

### PRODUCT ADDITION BY SELLER

#### **SCENARIO**

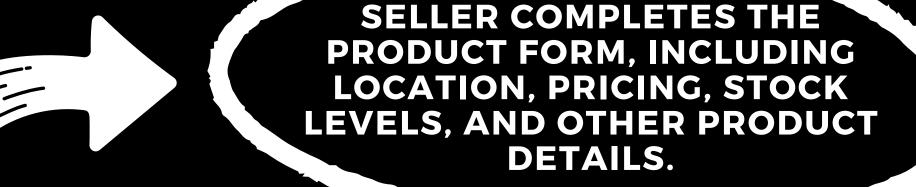
SELLER ADDS A NEW PRODUCT THROUGH A DETAILED FORM IN DEALYTICS UI. UPON ADDITION, BACKEND SERVICE CATEGORIZZ, RATE AND RANK THE PRODUCT AND NOTIFY SUBSCRIBERS



#### **PRECONDITIONS**

- SELLER IS LOGGED INTO THE DEALYTICS DASHBOARD
- REQUIRED FIELDS IN THE PRODUCT FORM ARE COMPLETED

SELLER NAVIGATES TO THE 'ADD PRODUCT' SECTION IN THE DASHBOARD OR API DETECTS PRODUCT ADD



SYSTEM PROCESSES THE ADDITION, CATEGORIZES AND RATES THE PRODUCT.

BACKEND NOTIFIES RELEVANT SUBSCRIBERS OF THE PRODUCT ADDITION, INCLUDING PRICE TRENDS AND AVAILABILITY.

SYSTEM RANKS THE PRODUCT AND STORES ALL DATA IN THE DATABASE.



### TESTCASES OF PRODUCT ADDITION BY SELLER VIA UI OR API

(PRODUCT ADDITION FAILED)

1.SUCCESSFUL PRODUCT ADDITION

(PRODUCT ADDED AND SUBSCRIBERS NOTIFIED)

2.PRODUCT ADDITION VIA API

(PRODUCT ADDED AND SUBSCRIBERS NOTIFIED)

3.MISSING REQUIRED FIELD

(PRODUCT ADDITION FAILED)

4.INVALID FORMAT OF INPUT

## PRODUCT UPDATE BY SELLER

#### **SCENARIO**

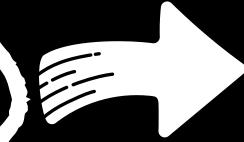
SELLER UPDATES THE PRODUCT'S DETAILS (PRICE, STOCK, ETC.)
THROUGH THE DEALYTICS UI. THE SYSTEM RE-CATEGORIZES, RE-RATES,
AND RE-RANKS THE PRODUCT AND NOTIFIES SUBSCRIBERS.



#### **PRECONDITIONS**

- SELLER IS LOGGED INTO THE DEALYTICS DASHBOARD
- THE PRODUCT IS ALREADY ADDED TO THE SYSTEM BY THE SELLER

SELLER ACCESSES THE
PRODUCT IN THEIR
DASHBOARD AND CHOOSES
TO EDIT DETAILS



SELLER MODIFIES PRODUCT DETAILS.



BACKEND NOTIFICATION SYSTEM ALERTS SUBSCRIBERS OF SIGNIFICANT CHANGES, INCLUDING PRICE DROPS OR UPDATED STOCK LEVELS.



SYSTEM UPDATES PRODUCT INFORMATION, RE-CATEGORIZES, RE-RATES, AND RE-RANKS IT.

### TESTCASES OF PRODUCT UPDATE BY SELLER

- 1.SUCCESSFUL PRODUCT UPDATE

  (PRODUCT UPDATED AND SUBSCRIBERS NOTIFIED)
- 2.UPDATE WITH SIGNIFICANT PRICE DROP

  (PRODUCT UPDATED AND SUBSCRIBERS NOTIFIED)
- 3. UPDATE NON-EXISTENT PRODUCT (PRODUCT UPDATE FAILED)

### PRODUCT REVIEW BY BUYER

#### **SCENARIO**

BUYERS CAN SUBMIT A REVIEW FOR A PRODUCT THEY PURCHASED FROM A SELLER. REVIEWS INCLUDE A RATING, COMMENT, AND AN OPTIONAL PICTURE. A BUYER CAN ONLY SUBMIT ONE REVIEW PER PRODUCT.



#### PRECONDITIONS

 BUYER HAS PURCHASED THE PRODUCT FROM THE SELLER AND IS LOGGED INTO THEIR ACCOUNTREQUIRED FIELDS IN THE PRODUCT FORM ARE COMPLETED

BUYER NAVIGATES TO THE PRODUCT PAGE OF THE PURCHASED ITEM.



IF VALID, SYSTEM SAVES
THE REVIEW AND
ASSOCIATES IT WITH THE
PRODUCT AND BUYER.

BUYER ENTERS A RATING (1-5 STARS), A COMMENT, AND OPTIONALLY UPLOADS A PICTURE.

BUYER IS NOTIFIED THAT THEIR REVIEW HAS BEEN SUBMITTED SUCCESSFULLY.

SYSTEM VALIDATES THE INPUT AND CHECKS IF THE BUYER HAS PREVIOUSLY REVIEWED THE PRODUCT.

### TESTCASES OF PRODUCT REVIEW BY BUYER

- 1. SUCČESSFUL PRODUCT REVIEW SUBMISSION
- 2. ATTEMPT TO SUBMIT MULTIPLE REVIEWS FOR THE SAME PRODUCT
- 3. INVALID REVIEW SUBMISSION WITH MISSING RATING
- 4. REVIEW SUBMISSION ATTEMPT WITHOUT PURCHASE

## BUYER SUBSCRIPTION TO PRODUCTS

#### **SCENARIO**

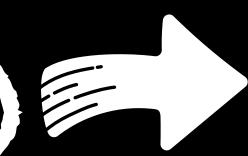
BUYERS CAN SUBSCRIBE TO PRODUCTS THAT ARE UPCOMING OR ALREADY IN THE MARKETPLACE. THEY CAN ALSO UNSUBSCRIBE FROM THESE SUBSCRIPTIONS.



#### **PRECONDITIONS**

• BUYER IS LOGGED IN AND HAS SELECTED A PRODUCT FOR SUBSCRIPTION.

BUYER NAVIGATES TO THE PRODUCT PAGE FOR AN UPCOMING OR EXISTING PRODUCT.



BUYER CLICKS ON THE 'SUBSCRIBE' BUTTON FOR THE PRODUCT.

SYSTEM SAVES THE BUYER'S SUBSCRIPTION PREFERENCE FOR THE SELECTED PRODUCT.



BUYER CAN CLICK 'UNSUBSCRIBE' TO REMOVE THE SUBSCRIPTION AT ANY TIME.



BUYER CAN VIEW THEIR ACTIVE SUBSCRIPTIONS IN THEIR PROFILE.



### TESTCASES OF BUYER SUBSCRIPTION TO PRODUCTS

- 1. SUCČESSFUL PRODUCT SUBSCRIPTION
- 2.SUCCESSFUL UNSUBSCRIPTION FROM PRODUCT
- 3. UNSUCCESSFUL SUBSCRIPTION TO ALREADY SUBSCRIBED PRODUCT
- 4. SELLER SUBSCRIPTION TO PRODUCT CATEGORIES

## SELLER SUBSCRIPTION TO PRODUCT CATEGORIES

#### **SCENARIO**

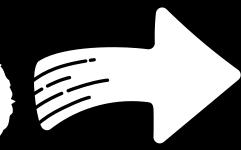
SELLERS CAN SUBSCRIBE TO NOTIFICATIONS BASED ON SPECIFIC PRODUCT CATEGORIES. THEY CAN ALSO UNSUBSCRIBE FROM THESE SUBSCRIPTIONS.



#### **PRECONDITIONS**

 SELLER IS LOGGED IN AND HAS SELECTED PRODUCT CATEGORIES FOR SUBSCRIPTION.

SELLER NAVIGATES TO THE CATEGORY SUBSCRIPTION SECTION IN THE DASHBOARD.



SELLER SELECTS PRODUCT CATEGORIES THEY WANT TO RECEIVE NOTIFICATIONS FOR.

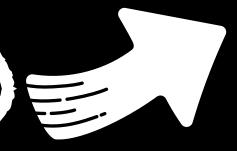
SYSTEM SAVES THE SELLER'S SUBSCRIPTION PREFERENCES FOR THE SELECTED CATEGORIES.



SELLER CAN CLICK
'UNSUBSCRIBE' TO REMOVE
THE SUBSCRIPTION AT ANY
TIME.



SELLER CAN VIEW THEIR
ACTIVE CATEGORY
SUBSCRIPTIONS IN THEIR
PROFILE.



### TESTCASES OF SELLER SUBSCRIPTION TO PRODUCTS

- 1. SUCCESSFUL CATEGORY SUBSCRIPTION
- 2.SUCCESSFUL UNSUBSCRIPTION FROM CATEGORY
- 3. UNSUCCESSFUL SUBSCRIPTION TO INVALID CATEGORY

### INITIATE NEGOTIATION

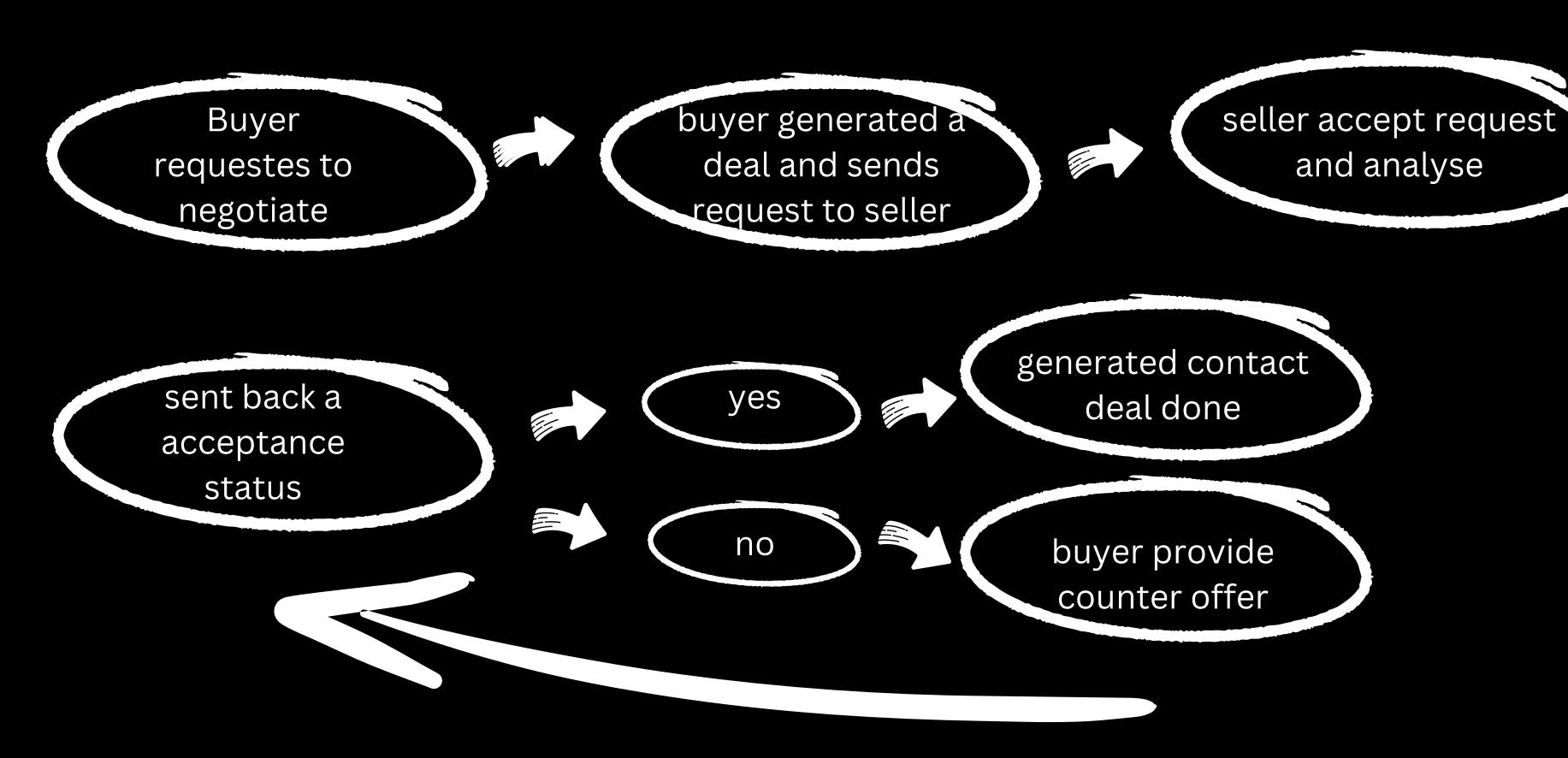
#### **SCENARIO**

THE BUYER SEES A 'NEGOTIATE' BUTTON ON A PRODUCT PAGE, INDICATING THAT THE PRODUCT IS NEGOTIABLE. BY CLICKING THIS BUTTON, THE BUYER INITIATES A NEGOTIATION AND DEFINES TERMS BASED ON ALLOWED PARAMETERS.



#### PRECONDITIONS

• BUYER HAS SELECTED A PRODUCT TO NEGOTIATE.



### TESTCASE OF SELLER NEGOTIATION SUBSYSTEM

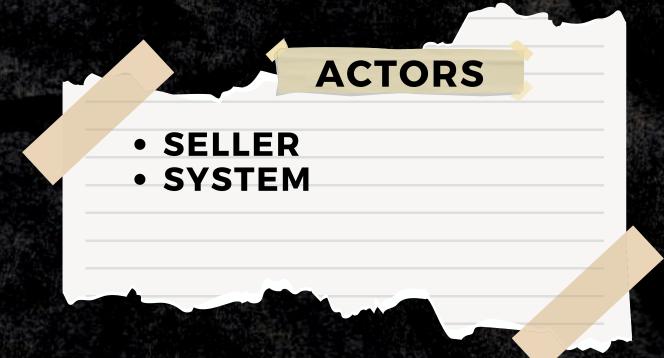


- 2. ACCEPT OFFER
  ( NEGOTIATION CLOSED)
- 3. COUNTER OFFER (COUNTER-OFFER SUBMITTED)
- 4. PROCEED WITH SHIPMENT (SHIPMENT PROCESS INITIATION)

## SELLER NOTIFICATION FOR DEMAND AND PRICING CHANGES

#### **SCENARIO**

THE SYSTEM NOTIFIES SELLERS WHEN THEIR SUBSCRIBED CATEGORY PRODUCTS NEED TO BE PRODUCED MORE DUE TO HIGH MARKET DEMAND OR WHEN PRICES NEED TO BE ADJUSTED DUE TO COMPETITOR MARKET CONDITIONS.



#### **PRECONDITIONS**

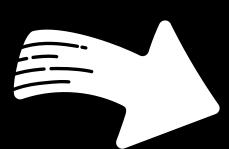
 SELLER HAS PRODUCTS LISTED ON THE PLATFORM AND HAS ACCESS TO THE ANALYTICS DASHBOARDSELLERS ARE SUBSCRIBED TO PRODUCT CATEGORIES, DATABASE IS ACCESSIBLE

SYSTEM MONITORS MARKET DEMAND AND COMPETITOR PRICING



SYSTEM DETECTS HIGH DEMAND FOR A PRODUCT

SYSTEM PREPARES
NOTIFICATION FOR THE
SELLER ABOUT PRODUCTION
INCREASE



SYSTEM GENERATES AND DISPLAYS DEAL DETAILS, ANALYTICS, AND COMPARISONS

## BUYER NOTIFICATION FOR PRICE DROPS AND NEW DEALS

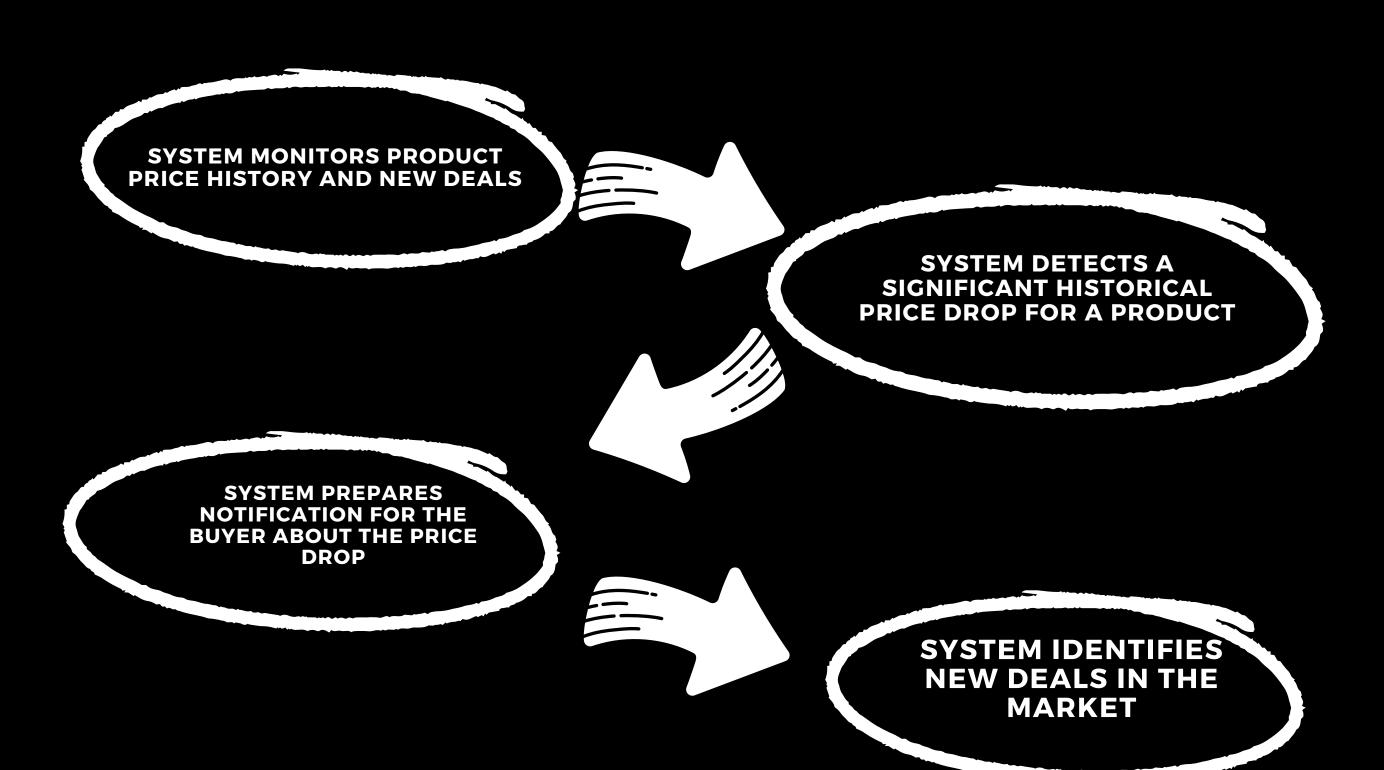
**SCENARIO** 

THE SYSTEM NOTIFIES BUYERS OF HISTORICAL PRICE DROPS OR NEW DEALS IN THE MARKET.



**PRECONDITIONS** 

• MARKET MONITORING IS ACTIVE, DATABASE IS ACCESSIBLE



## TESTCASE OF NOTIFICATION SUBSYSTEM

- 1. NOTIFY SELLER OF COMPETITOR PRICE CHANGE
- 2. NOTIFY SELLER OF INCREASED DEMAND FOR MULTIPLE PRODUCTS
- 3. NOTIFY SELLER OF MULTIPLE COMPETITOR PRICE CHANGES
- 4. NOTIFY BUYER OF MULTIPLE PRICE DROPS
- 5. NOTIFY BUYER OF HISTORICAL PRICE DROP
- 6. SELLER NOTIFICATION FOR DEMAND AND PRICING CHANGES

