READ ME FILE
Walmart Assessment- Product Finder Website

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Product Description: This project is an imitation of an e-commerce website using Spring Boot Application. The home page consists of a search box to type a key word in, and if this key word is defined, it will display product details that are related to the keyword. The details that are being displayed related to the product include ID #, brand, product description, and price. If the keyword is not found, then it returns a no results page. All pages have the search bar included and are all linked together.

How to Run:

1. Unzip the contents of the file.
2. Open the contents in an IDE as a project.
3. Build the project and run.
   a. If run isn't an option on the IDE please use the following command on the terminal:
   ./mvnw clean spring-boot:run
4. Open a tab on your internet browser and type http://localhost:8083/home

Technologies Used:
- I've started the project without the Spring Boot Application, and had manually used HTTPS GET methods to retrieve data from the JSP file.
- I then implemented the Spring Boot methodology, which cut down the code by 40%.
- The Model and the Controller are Java Servlets and the view is a JSP file.

Functionality:
- On opening the home tab, can see that there is a search bar on the top to enter the search word.
- There are also other components to improve the UI of the page.
- This includes
  - Navigation Bar
  - Header
  - Footer
  - 2 columns-.side and .main
- In the search bar you can see the default text-What are you looking for?
- Here, type the product you are looking for.
- For the scope of this project, I have defined 3 products
  - Bag
  - Perfume
  - Lipstick
- If you type any other search word apart from this, then it will display a no results page where you are prompted to enter another product.
- On pressing the submit button, the next page displays the product results.
- You can also directly search on this page directly since the search bar is included.

Features of this website:
- Takes the input of a search word in the search bar.

- Displays the items that are relevant to the product name and also it's recommendations.
- The recommendations are static in nature.
- If the search word is not found in the list, then it will display a no-results page.

Walmart Search Results Page

Home   Departments   Services   My Account

Search Results for: bag

Nanushka
ID# 10000001: Nanushka gathered top-handle tote
$1,000 [Buy Now!]

Moschino
ID# 10000002: Moschino logo-lettering patent shoulder bag
$4,500 [Buy Now!]

JW Anderson
ID# 10000003: JW Anderson Bumper-Moon leather shoulder bag
$5,300 [Buy Now!]

People also liked:

Moschino
ID# 20000001: Moschino teddy bear-print branded backpack
$3,000 [Buy Now!]

AMI Paris
ID# 20000002: AMI Paris logo-plaque zip-fastening backpack
$2,500 [Buy Now!]

VALENTINO BEAUTY
ID# 20000003: VALENTINO BEAUTY Uomo Born In Roma eau de toilette

Flash Pick of the day

Home   Departments   Services   My Account

Search Results for: bag

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ID# 10000001: Nanushka gathered top-handle tote
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Moschino
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$3,000 [Buy Now!]

AMI Paris
ID# 20000002: AMI Paris logo-plaque zip-fastening backpack
$2,500 [Buy Now!]

VALENTINO BEAUTY
ID# 20000003: VALENTINO BEAUTY Uomo Born In Roma eau de toilette
$5,900 [Buy Now!]

Flash Pick of the day

Walmart Search Results Page

Product you searched for: perfume

Search Everything at Walmart Online and In-Store.

[What are you looking for?] [Submit]

Home | Departments | Services

My Account

Search Results for: perfume

Yves Saint Laurent Beauty
ID# 10000004: Yves Saint Laurent Beauty Libre Le Parfum
$100 [Buy Now!]

Prada Fragrance
ID# 10000005: Prada Fragrance Paradoxe eau de parfum
$500 [Buy Now!]

Tom Ford Beauty
ID# 10000006: Tom Ford Beauty Black Orchid eau de parfum
$89 [Buy Now!]

People also liked:

VALENTINO BEAUTY
ID# 20000004: VALENTINO BEAUTY Uomo Born In Roma eau de toilette
$200 [Buy Now!]

Tom Ford Beauty
ID# 20000005: Tom Ford Beauty Rose Prick eau de parfum
$531 [Buy Now!]

Chanel
ID# 20000006: CHANEL N°5 Eau de Parfum Spray

❄ **Walmart Search Results Page**

Product you searched for: lipstick

Search Everything at Walmart Online and In-Store.

[lipstick] [Submit]

❄ **Walmart Search Results Page**

Product you searched for: lipstick

Search Everything at Walmart Online and In-Store.

[lipstick] [Submit]

Home | Departments | Services

My Account

Search Results for: lipstick

Charlotte Tilbury
ID# 10000007: Charlotte Tilbury Matte Revolution lipstick
$32 [Buy Now!]

Chanel
ID# 10000008: CHANEL LE ROUGE DUO ULTRA TENUE Ultrawear Liquid Lip Colour
$54 [Buy Now!]

Westman Atelier
ID# 10000009: Westman Atelier Squeaky Clean liquid lip balm

People also liked:

Gucci
ID# 20000007: Gucci Beauty Rouge à Lèvres Liquide Mat Liquid Lipstick
$13 [Buy Now!]

Yves Saint Laurent Beauty
ID# 20000008: Yves Saint Laurent Beauty Rouge Pur Couture lipstick
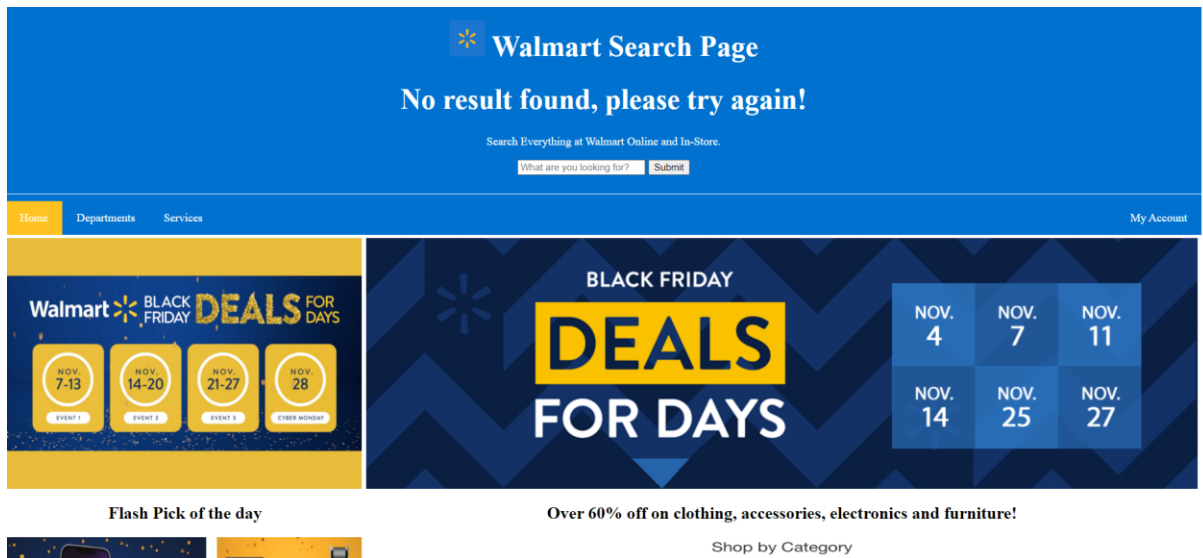**$42** [Buy Now!]

Gucci Beauty
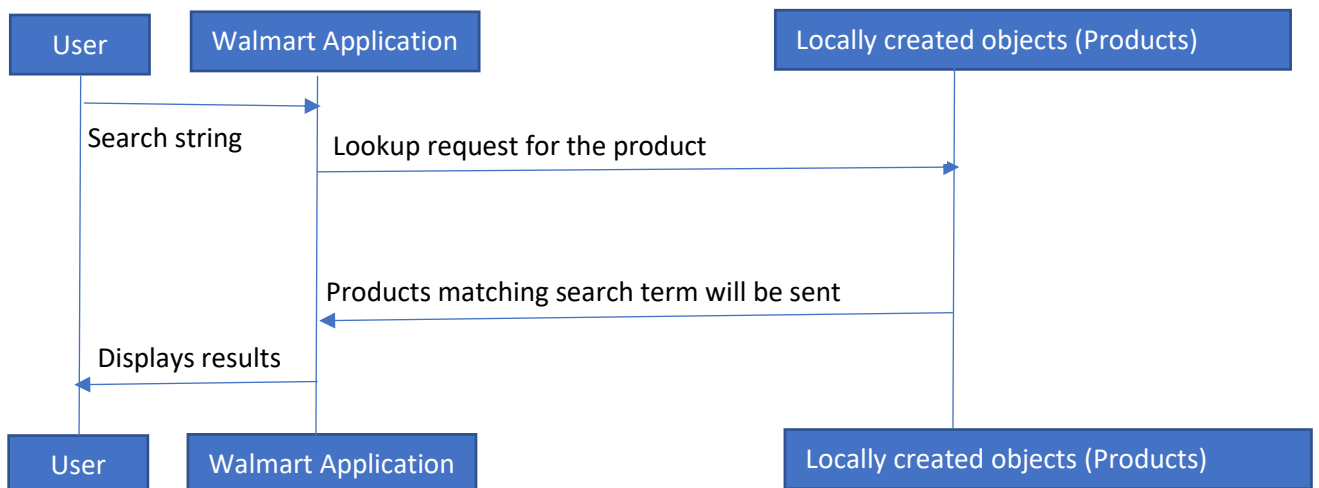**ID# 20000009: Gucci Beauty Rouge à Lèvres Satin Lipstick**

❄ **Walmart Search Results Page**

Product you searched for: lipstick

Search Everything at Walmart Online and In-Store.

[shoes] [Submit]

Project Structure:

Tests:

- On opening the home page, check for these 3 products in the search field:
    - Bag
    - Perfume
    - Lipstick
- This should result in a page with 3 products for each item along with 3 recommendations.
- If the word is not from this list the website should display- no results found page.