Software Requirement Specification(SRS)

Deal Finder Service

Project

Manoj Paidimarri   180101054

Gali Jaya Prakash Reddy   180101025

Bedada Ajay Kumar   180101014

Doddavula Likhith Kumar Reddy   180101098

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1. INTRODUCTION

1.1 Purpose:

This document is meant to delineate the features of a best deal finder,so as to serve as a guide to developers on one hand and software validation document for the prospective client on the other.

1.2 Scope of the Project:

Online shopping makes the shopping process easy. But now-a-days there are numerous eCommerce sites that provide products at different prices. The Deal Finder for online shopping application is intended to provide complete solutions for finding the best deal at a cheaper price. It is very time consuming to find the coupons and bank offers that are provided by different eCommerce sites, this system will automate the task of finding them.

2. FUNCTIONAL REQUIREMENTS

2.1 Functions

- **R1: User Registration**

  Description: User enters their details and a validation link is sent to user mail. When the user is verified, details are added to the system.

  - **R1.1: Sign Up**
    - Description: User enters the details and verification email is sent.
    - Input: Name, email, password, phone number.
    - Output: Email.

  - **R1.2: Add to Registered Users**
    - Description: User will be verified and details will be added to the list of registered users.
    - Input: Validation link
    - Output: Success/Error message.

- **R2: Login**

  Description: Authenticate the user details and show success/error message.
  Input: email,password
  Output: Success/Error message

- **R3: Search**

  Description: User enters the product name with the filters they want. The system gives the details of all deals whose description and filters match with the entered details.

- R3.1: Product deals
  - Input: Product name
  - Output: list of deals
    - R3.1.1: Display price graph
      - Description: displays the price graph of the deal over the last month.
      - Input: Deal
      - Output: Price Graph

- R3.2: Top-10 Deals
  - Description: Selects top-10 deals from the list of deals based on price.
  - Input: list of deals
  - Output: list of deals

- R3.3: Filter
  - Description: User selects filters among available filters. List of deals are filtered out.
  - Input: list of filters, list of deals
  - Output: list of deals
    - R3.3.1: Site filter
      - Description: Deals are selected from user input sites
      - Input: list of deals,list of sites
      - Output: list of deals

    - R3.3.2: Price range
      - Description: Deals whose price is in price range are selected
      - Input: list of deals, price range
      - Output: list of deals

    - R3.3.3: Return Availability
      - Description: list of deals with return availability are selected.
      - Input: list of deals

- Output: list of deals

- **R3.3.4: Pay on Delivery**
  - Input: list of deals
  - Output: list of deals
  - Processing: list of deals are checked with pay on delivery options.

- **R3.3.5: Address availability**
  - Input: list of deals, pincode
  - Output: list of deals
  - Processing: list of deals are checked with the delivery availability to the given pincode.

- **R3.4: Sort**
  - Description: User selects a sort option and the list of deals are sorted by sort option.
    - **R3.4.1: Sort low to high price**
      - Description: list of deals are sorted by lowest price first
      - Input: list of deals
      - Output: list of deals

    - **R3.4.2: Sort high to low price**
      - Description: list of deals are sorted by highest price first
      - Input: list of deals
      - Output: list of deals

    - **R3.4.3: Sort by rating**
      - Description: list of deals are sorted by highest rating first
      - Input: list of deals
      - Output: list of deals

- **R4: Wishlist**

  Description: displays the deals that are added to wishlist by the user.
  Input: "wishlist" option is selected
  Output: list of deals

  - R4.1: Add to wishlist
    - Description: Deal is added to the user's wishlist.
    - Input: Deal
    - Output: Success message

  - R4.2: Remove from wishlist
    - Description: Deal is removed from the user's wishlist.
    - Input: Deal
    - Output: Success message

  - R4.3: Share wishlist
    - Description: Generate a shareable link of the wishlist.
    - Input: wishlist
    - Output: Link

- **R5: Notifications**

  Description: Sends the notification to the user.
  Input: Message
  Output: Notification

  - R5.1: Price dropped notification
    - Description: User will be notified when the price of a deal drops.
    - Input: Product deals
    - Output: Notification

- ○ **R5.2: Notify when available**
  - ■ Description: when a deal in cart becomes available, the user is notified.
  - ■ Input: deal
  - ■ Output: Notification

- **R6: Coupons**

  Description: All available coupons are displayed for the deal.
  Input: deal
  Output: list of coupons.

- **R7: Contact us**

  Description: Helps to contact the development team for any problems with the system.
  Input: email id,message
  Output: Email

2.2 Hierarchy

★ *Best Deal finder*

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- Coupons
- Contact us