
Software Requirements Specification

for

Deal Finder

Version 1.1

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1. Introduction

1.1 Purpose

The purpose of the document is to describe specifications and requirements for the project designed to aim at making the online shopping experience for the shopper easier by finding the optimum deals from various e-commerce websites for a given product type. It will explain the conventions, scope, functional requirements and non-functional requirements as identified by the team for the project.

1.2 Document Conventions

<i>TERM</i>	<i>EXPLANATIONS</i>
<i>Deal</i>	string of (product details + price of that particular product from a particular E-Commerce website)
<i>Coupon</i>	A ticket or code that can be redeemed for a financial discount or rebate while purchasing a product

1.3 Project Scope

The project will aim to be a comparison platform for a pre-decided number of e-commerce websites and will help the user identify the perfect offer for them. It will have a user registration and profile features for saving deals. It also aims to provide filter and sort options with deals on the basis of companies and prices. Coupon hunting and application while shopping was observed as a tedious task. Here, given payment modes selected by the user, we will show reduced prices as per applicable coupons.

2. Functional Requirements

→ R1: User Registration

- ◆ Description: User Registration function accepts the email, password and allows for a user profile to be created based on personalised search history, saving some deals that were searched before and payment methods saved.
- ◆ Input: email, password, other user details
- ◆ Output: success/error notification

→ R2: User Login

- ◆ Description: User Login function accepts the email, password and opens the user profile page created during registration.
- ◆ Input: email, password
- ◆ Output: user profile

→ R3: Browse by category

- ◆ Description: This function displays the products that are available in the category chosen by the buyer
- ◆ R3.1: Choose category
 - Description: This will show you different product deals of that specific category
 - Input: specific category
 - Output: deals
- ◆ R3.2: Choose subcategory
 - Description: This will show you different product deals of that specific subcategory
 - Input: specific subcategory
 - Output: deals

◆ R3.3 Filter Function

- Description: This function allows the user to view the deals as per a specific condition on the e-commerce website or prices
- **R3.3.1 Website filter**
 - Description: Specifying some E-commerce websites to find deals from
 - Input: websites required
 - Output: deals
- **R3.3.2 Price filter function**
 - Description: Filter the results of the deals found as per a required price range
 - Input: price range
 - Output: deals

→ R4: Best Deal Finder

- ◆ Description: This function is to find deals from various E-commerce websites for the product required and has filter options that can be applied for specific results.

◆ R4.1 Show deals

- Description: To show 10 deals from each website according to the product name and product specifications entered by the user
- Input: product name and specifications
- Output: deals

◆ R4.2 Filter Function

- Description: This function allows the user to view the deals as per a specific condition on the e-commerce website or prices

◆ **R4.2.1 Website filter**

- Description: Specifying some E-commerce websites to find deals from
- Input: websites required
- Output: deals

◆ **R4.2.2 Price filter function**

- Description: Filter the results of the deals found as per a required price range
- Input: price range
- Output: deals

◆ **R4.3 Coupon application**

- Description: Finding coupon codes applicable to specific payment modes (specific banks, netbanking, paytm etc) and displaying reduced prices in the output deals
- Input: payment mode
- Output: deals

◆ **R4.4 Sort deals shown**

- Description: Sorting wrt price, in increasing or decreasing order
- Input: ascending/descending
- Output: deals

→ **R5: Buy product**

- ◆ Description: Takes you to the product details page of that particular website for that deal
- ◆ Input: deal from list
- ◆ Output: product detail

3. Nonfunctional Requirements

3.1 Contextual Inquiry

3.1.1 Observations noted

All the team members observed their family members (parents as well as siblings) while online shopping as usual at home. Following are the observations we had collected during this observation and after asking some clarification questions after the observation.

Collecting individual observations and displaying them



3.1.2 Affinity diagram

Sorted ideas into related groups and adding the headers
Finished Affinity Diagram

Lacks search efficiency	Lacks flexibility	Delivery based issues	Shopper trust issues on sites	Miscellaneous issues
Time consuming	Lacks options for buyers	while shopping for others forgetting to update address	Lack of trust on some specific websites	Difficulty in keeping up with different sales on different websites
not reliable always for the best available price of a product	Lacks ability to search in hindi	Fast delivery required in some cases	Unwanted notification/ ads on promotional products	No method to store product deals
Lacks ability to search for various coupons	Unable to figure out which payment option gives the best discounts	Difficulty in finding whether additional charges (like delivery) are applicable or not	Search data recommendations are stifling	comparisons for further reference
Gets confused in handling various sites/ apps and navigation between them	Shoppers end up paying more	Website exchange or return policies varies		Lacks options for buyers