Software Requirements Specification

for

DEAL FINDER APPLICATION

GROUP NO. 4

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1 INTRODUCTION

1.1: Purpose

The purpose of this document is to give a detailed description about the requirements of the Deal Finder software. It will give a comprehensive scope of its working by providing an idea about the various functions of the software and the interactions the software will have with the end-users.

1.2: Document Convention:

The acronyms used in the document are:

- SRS: Software Requirements Specification
- OTP: One Time Password

1.3: Intended Audience:

This document is intended for the eyes of the developers working on the software, the project leaders and anyone else who is willing to understand the software requirements of the Deal Finder website.

1.4: Scope:

Product: Deal Finder

Aim: This platform will aim to make the online shopping experience of the shoppers better.

Features:

- Extensive search to find deals available for queried products on different sites.
- Shows customers best deals for products of their choice with the best prices and best quality.
- It will also show different coupons or offers and review/ratings associated with the product on respective sites.

2 FUNCTIONAL REQUIREMENTS

R1 : Authentication

- Description : To handle all sign in / sign up parts.
    - **R1.1 : Register User**
        - Input : User information
        - Output : Success/error message
        - Description : Register a user for a shopping platform.

    - **R1.2 : Log In**
        - Input : User Credentials
        - Output : Success/error message
        - Description : Authenticates the user credentials and logs the user to the platform.
            - **R1.2.1 : Forget Password**
                - Input : Email ID
                - Output : OTP
                - Description : OTP is generated and sent to the email id provided.
            - **R1.2.2 : Reset Password**
                - Input : Old Password
                - Output : New Password
                - Description : Changing the Password

R2 : Product Search

- Description : To browse products
    - **R2.1 : Product Category**
        - Input : Category name
        - Output : Category page
        - Description : Displays the popular products available in the chosen category.
            - **R2.1.1 : Price Filters**
                - Input : Price range
                - Output : Filtered products
                - Description : Displaying products in the selected price range

- **R2.1.2 : Brand Filters**
  - Input : Brand name
  - Output : Filtered products
  - Description : Displaying products of that brand
- **R2.1.3 : Feature Filters**
  - Input : Feature name
  - Output : Filtered products
  - Description : Displaying products having those features.
- **R2.1.4 : Sort By**
  - Input : All search results
  - Output : Sorted list based on user criteria
  - Description : Displays the products in a paginated way sorted based on either price, quality or any other user-defined criteria.

- **R2.2 : Product Details**
  - Input : Product name
  - Output : Details page
  - Description : Displays details of the product

- **R2.3 : Price Comparison**
  - Input : Product name
  - Output : Price list
  - Description : Displays a list of prices from the different platforms

- **R2.4 : Go to store**
  - Input : Product Name
  - Output : Homesite product page
  - Description : Takes the user to the selected lowest price website for the product.

R3 : User Interaction

- Description : Allows users to provide feedback and to customize the website and also answers queries.

- **R3.1: Feedback**
  - Input : User feedback
  - Output : Success message
  - Description : Allows the user to provide their feedback.

- **R3.2 : Wishlist**
  - Input : Product name
  - Output : Success message
  - Description : Allows users to maintain a list of their desired products saved by them to their user account, signifying interest without immediate intent to purchase.

- **R3.3 : FAQs**
  - Input : User question
  - Output : Answer
  - Description : Displays frequently asked question's answer.

R4 : Offers

- Description : To keep a track on various product prices, deals and coupons.
  - **R4.1 : Notifications**
    - Input : Price changes
    - Output : Bell Alert/ Mail
    - Description : Notifies user about the price drop of

  - **R4.2 : Coupons**
    - Input : Product name
    - Output : Filtered coupons
    - Description : Displays the available coupons for the specified product.

  - **R4.3 : Deal of the day**
    - Input : Category name
    - Output : Deals in category
    - Description : Displays popular deals of the day specific to the category entered.

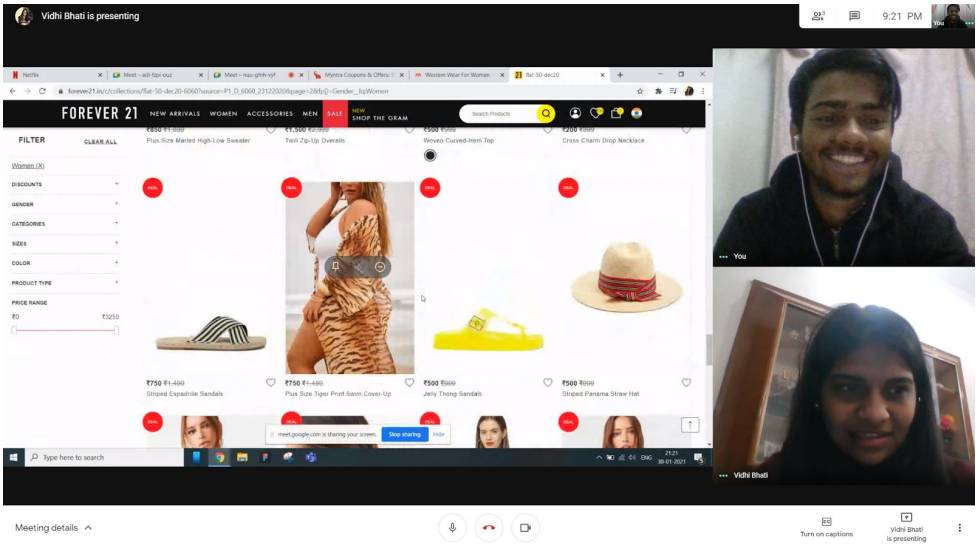
3 NON FUNCTIONAL REQUIREMENTS:

Usability Requirement Analysis

- Process adopted: **CONTEXTUAL INQUIRY**
    - A semi-structured interview process was undertaken in ACTIVE MODE
    - The user was observed in her “natural” work environment.
    - During noting of observations, the user was also asked questions sometimes to clarify certain behaviours.
- Steps of the contextual inquiry:
    - **Planning:**
        - Identified the main goal of observation: To notice and deduce the user’s needs pertaining to online shopping on multiple platforms.
        - Gathering of knowledge about task domain: Went through already existing similar websites to learn about how they work. One such website was *pricedekho.com.*
        - Arrangements for recording the observations: The team discussed possible arrangements for proper recording of observations.
        - Identification of users and the date, time and place of observation: A friend who is an avid shopper was contacted to be the user. Due to the pandemic situation, a video call was arranged instead of being physically present to note observations. Date and time were fixed according to the user’s convenience.
    - **Initiation:**
        - A short informal explanation to the user was held beforehand so as to make her comfortable with the task.
    - **Execution:**
        - User: **Vidhi Bhati**
        - Persona: *A 21-year old engineering student who is fond of online shopping and is a regular to multiple shopping platforms.*
        - Work Environment: *A video call on Google Meet where the user was asked to shop for her favorite products by presenting*

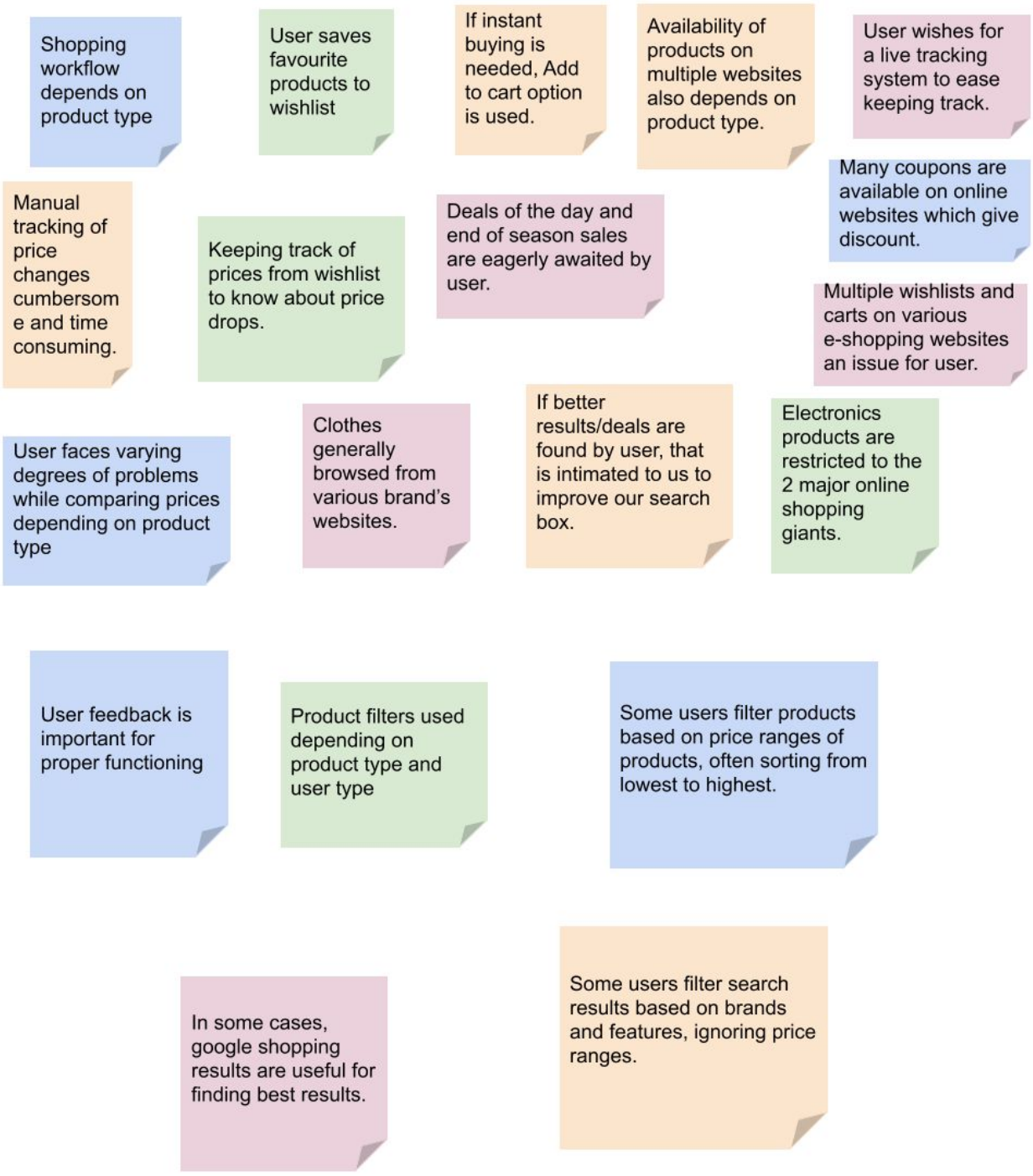
her screen and observations were recorded by a member of our team. Steps were taken to ensure the environment was as "natural" for her as was possible on a video call.

- Time of the inquiry: *1:30 hrs.*



- **Closing:**
  - User was sufficiently thanked for her time and contribution to the inquiry.
- **Reflection:**
  - The data collected was first written down in post-its and analyzed to group them into specific categories.
  - An affinity diagram was created.
  - Link to affinity diagram image: https://drive.google.com/file/d/1kxgQXFGeNEA0gbezkYAchstvWTuDf633/view?usp=sharing

IDEATION PROCESS



FINAL AFFINITY DIAGRAM