**Software Requirement Specification (SRS)**

Title: Lenskart

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1. Introduction

* **Purpose**: To provide a user-friendly platform for purchasing eyewear.
* **Scope:** The lenskart app will include features such as product browsing, personalization, 3D try on, secure transactions, order tracking, and customer support.
* **Background**: India's first and the only brand to use robotic technique that delivers glasses which are accurate to 3 decimal places. These machines imported from Germany, ensure perfection on all front: an automated system that allows to inspect lenses, determine the geometric centre, and load the lenses for edging without the need of a finishing block.

2. Functional Requirements

* **Requirement 1**: User Login
  + - * First time users should be able to register successfully using their mobile number and email id
      * User should be able to successfully login to the website
* **Requirement 2:** Product Searching
  + - * User should be able to search for different products such as Eyeglasses, computer glasses, kids glasses, contact lenses and sunglasses.
      * User should be able to filter frames according to the frame type, shape, brand, price, weight, gender etc
      * User should be able to search for contact lenses according to their vision, colour preference, price etc.
* **Requirement 3:** Wishlist
  + - * User should be able to add multiple products to add products to Wishlist.
* **Requirement 4:** Cart
  + - * User should be able to add multiple products to add products to cart
* **Requirement 5:** Track orders
  + - * User should be able to track the products after placing orders
* **Requirement 6:** Home Eye Test
  + - * User should be able to book appointment to test eyes at home
* **Requirement 7:** Store Locator
  + - * User should be able to locate nearby stores in an area
* **Requirement 8:** 3D Try On
  + - * User should be able to try glasses virtually
* **Requirement 9:** Gold Membership
  + - * Users can get buy 1 get 1 offer using Gold membership
* **Requirement 10:** Payment
  + - * User should be able to make payments successfully during checkouts
      * User should be able to use various payment methods such as credit/debit cards, UPI apps etc.

3. Non-Functional Requirements

* **Requirement 1**: Page should load fast
* **Requirement 2**: Page should be secure.
* **Requirement 3**: Page should be scalable for future updates.

4. Use Cases

* **Use Case 1**: **User should be able to purchase eye wears of their choice.**
* **Use Case 2**: User should be able to login.
* **Use Case 3:** User should be able to make payments successfully
* **Use Case 4:** User should be able to filter and search for products
* **Use Case 5:** User should be able to use additional services

5. System Architecture

* **Architecture Overview**: 3 tier architecture. UI, API to request.
* **Data Model**: Collection of indexed data.

6. Constraints

* **Constraint 1**: **App Performance**
* **Constraint 2**: **Platform Compatibility**

7. Assumptions and Dependencies

* **Dependency 1**: Internet Connection
* **Assumption 1**: None.