**1. Project Initiation (Start of Development):**

* **Objective Definition:**
  + The primary goal was to enhance the 5miles app by introducing a new auction feature, named 5miles Dash.
* **Requirements Gathering:**
  + Detailed discussions with stakeholders to define features such as 90-second auctions, $1 starting bids, buyer protection, direct shipping, and a claimable $5 credit for the first purchase.
* **Scope Definition:**
  + Outlining the functionalities, user interface, and overall scope of the 5miles Dash feature.
* **Timeline and Resource Planning:**
  + Creating a development timeline, assigning resources, and establishing milestones for the project.

**2. App Development:**

* **Architecture Design:**
  + Deciding on the technical architecture of the new auction feature, integrating it seamlessly with the existing 5miles app.
* **Frontend and Backend Development:**
  + Implementing the user interface and backend functionalities based on the defined requirements.
* **Auction Mechanics Implementation:**
  + Developing the auction mechanics, ensuring a 90-second timeframe, $1 starting bids, and a secure payment system.
* **User Registration and Authentication:**
  + Integrating easy registration via Facebook or email, with additional verifications to enhance user security.
* **In-app Chat System:**
  + Implementing a robust in-app chat system to facilitate communication between buyers and sellers.

**3. Testing Phase:**

* **Functional Testing:**
  + Conducting thorough testing of all features to ensure they meet the specified requirements.
* **Usability Testing:**
  + Collecting feedback from a sample of users to ensure the user interface and overall experience align with expectations.
* **Security Testing:**
  + Employing rigorous security testing to identify and mitigate potential vulnerabilities.
* **Performance Testing:**
  + Evaluating the app's performance under various conditions to optimize its speed and responsiveness.

**4. Code Optimization:**

* **Identifying Bottlenecks:**
  + Analyzing the codebase to identify potential bottlenecks or areas of improvement.
* **Refactoring:**
  + Refactoring code for better readability, maintainability, and performance.
* **Optimizing Database Queries:**
  + Improving the efficiency of database queries to enhance overall app responsiveness.

**5miles Shopping App Comprehensive Documentation**

**1. Introduction:**

Welcome to the 5miles Shopping App! This documentation provides a detailed overview of the app's features, functionalities, and guidelines for users.

**2. Features and Functionalities:**

2.1 Auctions - 5miles Dash:

* Engage in 90-second auctions with a $1 starting bid.
* Pay only when you win.
* Direct shipping to your doorstep.
* Buyer protection for product dissatisfaction.
* Claim up to $5 in credits towards your first purchase.

2.2 General Features:

* Local and global shopping within 5 miles.
* FREE to list items, discover deals, and boost your posts to the top of the feed.
* Easy registration via Facebook or email.
* Share listings on Facebook, Twitter, SMS, and Email.

2.3 Safety and Security:

* Phone number verification to reduce spam and fraud.
* Safe Area Exchange Locators (SEAL) for secure meetup spots.
* User reviews for buyer and seller credibility.
* Continuous monitoring by the 5miles team to prevent fraud.
* No sharing of user information.

2.4 Fun and User Experience:

* Browse photos to discover great items.
* Search and filter for relevant listings.
* Like items, follow sellers, and make offers.
* In-app chat for detailed communication.
* Share listings on social media for faster selling.

**3. Guidelines for Users:**

3.1 Registration and Account Management:

* Step-by-step guide for account creation.
* Best practices for securing your 5miles account.

3.2 Auction Participation:

* How to participate in 5miles Dash auctions.
* Tips for winning auctions and claiming credits.

3.3 Listing Items:

* Guide on how to list items for sale.
* Utilizing the Boost feature to promote listings.

3.4 Safety Measures:

* Understanding and using the Safe Area Exchange Locators (SEAL).
* Reporting suspicious activity.

3.5 Buyer Protection and Refunds:

* Steps to request a refund if unsatisfied with a product.
* Conditions for buyer protection eligibility.

**4. Technical Documentation:**

4.1 Architecture Overview:

* Overview of the 5miles app architecture.
* Integration points for 5miles Dash.

4.2 API Documentation:

* Key API endpoints for app functionality.
* Request and response examples.

4.3 Security Measures:

* Implementation of SSL for secure transactions.
* Data storage and transmission security.

**5. Troubleshooting:**

* Common issues and solutions.
* Contact information for customer support.

**6. Conclusion:**

Thank you for choosing the 5miles Shopping App! This documentation serves as a comprehensive guide to enhance your shopping experience.