

“Retriv”

Software Requirements Specification

Prepared by

Student ID	Name
24241167	Aorko Shikder
23101213	Shruti Mandal Proma
22299502	Samia Ali
22299366	Fayrooz Tahmida Aumy

Functional Requirements:

- 1. Login with google :** Users must be able to log in if they have an account here.
- 2. User registration:** Users can create their account in Retriv using their information.
- 3. Log out:** Users must be able to log out.
- 4. Homepage:** Users must be able to view all sorts of services that the website will offer.
- 5. Dark mode:** The system must be able to provide users to use dark mode depending on the user's preference.
- 6. Create a post:** Users must be able to post about missing items.
- 7. In-app messaging:** The system must be able to provide users to communicate through messaging.
- 8. Lost/found item report:** Users must be able to report about missing items.
- 9. Admin approval option for post and members:** The system must allow admin to approve or reject users for monetization.
- 10. Admin monitoring and control:** The system must allow admin to ban users and delete posts.
- 11. User profile management:** Users must be able to update or manage their profile information.
- 12. User profile lock option:** Users must be able to lock their profile.
- 13. Lost item claim system:** Users should be able to claim their missing items with proper verification.
- 14. Claim item verification by admin:** The system must allow the admin to approve lost item claims by checking the proper verification documents.
- 15. In-app notifications:** Users should get notifications when another user messages them.
- 16. User reputation score and badge:** Users will have reputation score depending on the number of posts and contribution, they will receive a badge too.
- 17. Search and filter:** Users can search for products using filters.
- 18. Product listing for sale:** The system should allow users to list old or new products for selling purposes.
- 19. Product condition and verification tag:** There will be conditions regarding a product and if it is verified.
- 20. Add to cart:** Users must be able to add products to cart and then can proceed to checkout.
- 21. Purchase:** The system must allow users to proceed to a payment portal after confirming the order.
- 22. Wishlist/save for later option:** The system should allow users to add their desired or wanted products to the wishlist.
- 23. Review & rating system:** Users should be able to give reviews of the product that the user has purchased and that will increase the user's reputation point.
- 24. Report function:** Users can report if they see any suspicious post or get spammed by another user.

25. Post item for rent or borrow: Users must be able to post items for rent or borrowing requests.

Non Functional Requirements:

1. **Usability:** The system should be easily runned by new users within a few minutes.
2. **Portability:** The system should run easily on Windows, Linux and MAC OS.

Class Diagram :

https://drive.google.com/file/d/1cDZpSKjkIRiFMjWiE7yseRmd-f2NwpG8/view?usp=drive_link

