***1.Introduction:***

Project Name: "Development of Barcode Scanning Application with Flutter"

Definition: This project aims to develop a mobile application focusing on the barcode scanning system using Flutter. The application aims to enable users to scan barcodes and have the contents of scanned items printed via the admin panel.

***2.Users:***

Age Range: 25-45

Occupational Groups: Retail business owners, warehouse managers, and potential users.

Gender Distribution: Female: 2, Male: 3

***3.Tasks:***

Scan the barcode of a product to obtain information.

Manage scanned barcode data via the admin panel.

Enable real-time synchronization between the mobile app and the admin panel for data exchange.

***4.Method:***

Test Procedure: Users will be asked to perform designated tasks.

Environment: A laboratory environment providing users a comfortable space for testing.

Recording Method: Video recording of screen interactions and users' reactions using cameras.

Explanation to Users: Users were provided with information about the objectives and expectations of the test.

Consent Form: Written consent was obtained from users.

***5.Results:***

Task Completion Status: 90% success rate in the first task, 80% success rate in the second task.

Error Rate: Average of 2 errors per task.

Task Completion Time Distribution: Average task completion times: Task 1 - 3 minutes, Task 2 - 5 minutes.

Satisfaction Questionnaire Results: 95% of users expressed satisfaction with the application.

***6.Conclusion:***

Discrepancies in barcode scanning speed among users.

Some users experienced usability challenges in the admin panel interface.

Design revisions are needed to further enhance the user experience based on feedback.

***Average Satisfaction Survey Results (1-2-3-4-5)***

1. I think that I would like to use this system frequently: 4
2. I found the system unnecessarily complex: 2
3. I thought the system was easy to use: 5
4. I think that I would need the support of a technical person to be able to use this system: 3
5. I found the various functions in this system were well integrated: 5
6. I thought there was too much inconsistency in this system: 2
7. I would imagine that most people would learn to use this system very quickly: 4
8. I found the system very cumbersome to use: 2
9. I felt very confident using the system: 5
10. I needed to learn a lot of things before I could get going with this system: 3

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