



FINAL YEAR PROJECT REPORT

STOP & SHOP

**In fulfillment of the requirement
For degree of
BS (COMPUTER SCIENCES)**

By

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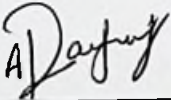
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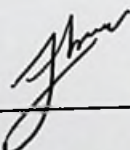
DECLARATION

We hereby declare that this project report is based on our original work except for citations and quotations which have been duly acknowledged. We also declare that it has not been previously and concurrently submitted for any other degree or award at Bahria University or other institutions.

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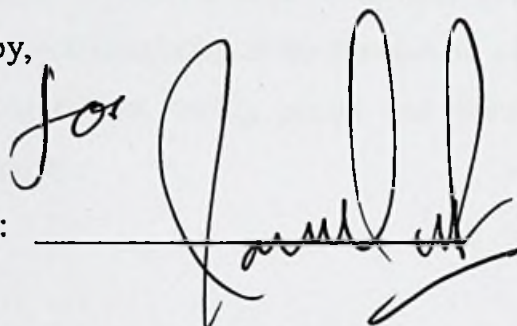
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APPROVAL FOR SUBMISSION

I certify that this project report entitled **“STOP & SHOP Mobile-Based Self-Checkout System for Super Market”** was prepared by **ABDUL RAFAY** and **ABSAR AZEEM** has met the required standard for submission in partial fulfilment of the requirements for the award of Bachelor of **Computer Science** at Bahria University.

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ACKNOWLEDGEMENTS

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STOP & SHOP

Mobile-Based Self-Checkout System for Super Market

ABSTRACT

The objective of this project is to develop a mobile based check out system for retail businesses. Covid-19 opened our eyes to a range of problems not faced by businesses around the globe earlier. One of the challenges faced by retail businesses during the pandemic was the issue of implementation of social distancing protocols while maintaining day to day operations efficiently. The project aims to provide innovative solution by eliminating the traditional Point of Sale (POS) terminals, allowing customers to seamlessly scan items using a mobile app, reducing waiting times, operational costs and interaction between humans as well.

The system will consist of a mobile application where users will be able to sign-up, scan product barcode. Scanning the product will add the product to cart and total will be updated upon every entry. When the shopping is completed the user will proceed to checkout page where he/she will enter the credit card details. Upon entering the details user will be shown the receipt which will be emailed to user on the email provided. This will help both the customer and store since store will be able to handle to more customers and there will be no need for cashiers which will be cost effective for store and process their orders.

The project will also consist of a database from where all the product and user information will be stored, fetched, edited as per the user or admin requirements. The system aims to offer a contactless experience with real-time pricing, digital receipts, and online payment options, including compatibility with debit card reading machines. Beyond enhancing customer experience, the project further aims for better cost savings and increased operational efficiency.

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