**@doorz – A Multi-Vendor Website**

By

|  |  |  |
| --- | --- | --- |
| MUHAMMAD ABUBAKAR SIDDIQUE | | 2022-GCUF-05733 |
| NAILA SHAFIQUE | 2022-GCUF-05736 | |
| SAUD AHMAD | 2022-GCUF-05737 | |

**BACHELOR OF SCIENCE**

**IN**

**COMPUTER SCIENCE**



**DEPARTMENT OF COMPUTER SCIENCE**

**Government College University Faisalabad**

**2024**

**Acknowledgement**

We would like to express our deepest gratitude to our supervisor, Dr. Uzma Jamil, for her invaluable guidance and support throughout this project. We also extend our thanks to our families and friends for their continuous encouragement and understanding. Special thanks to the faculty and staff of the Department of Computer Science at Government College University Faisalabad for providing the resources and environment necessary for the completion of this project.

**Dedication**

This project is dedicated to our families, whose support and patience have been our strength. We also dedicate this work to all the budding entrepreneurs and small business owners who inspire us to create better digital solutions.

Table of Content

[**Chapter No 1: Introduction to the Problem** 7](#_Toc167936599)

[**1.1 Introduction** 7](#_Toc167936600)

List of Tables

No table of figures entries found.

List of Figures

No table of figures entries found.

# **Chapter No 1: Introduction to the Problem**

## **1.1 Introduction**

In the rapidly evolving digital marketplace, @doorz has emerged as a visionary multi-vendor e-commerce platform, poised to redefine the paradigm of online shopping. This project aims to create a customer-centric and vendor-friendly environment that stimulates the growth of Small and Medium Enterprises (SMEs) and provides customers with a diverse and inclusive shopping experience.

* 1. **Background**

@doorz addresses the challenges faced by small-scale vendors in expanding their online presence and reaching a wider customer base. By leveraging the robust capabilities of the MERN stack and Redux, the platform is designed to be intuitive, responsive, and scalable, ensuring seamless transactions and operational excellence.

* 1. **Purpose**

The purpose of this project is to design and develop a multi-vendor e-commerce platform using the MERN stack (MongoDB, Express.js, React, and Node.js) with Redux for state management. The platform aims to provide a comprehensive online marketplace that enables multiple vendors to sell their products under one digital roof.

* 1. **Scope**

This project will deliver a unified platform for various vendors to sell their products and consumers to access a diverse market under one digital roof. The project focuses on creating a user-friendly interface, secure transaction processing, and back-end analytics to support vendors and enhance the shopping experience for customers.

* 1. **Objective**

To build a multi-vendor e-commerce website using the MERN stack, increasing market reach and operational efficiency. It will offer a platform for vendors to connect with consumers, improving the sales process through effective technology, and ensuring customer satisfaction through reliable and innovative service.