DESIGN AND IMPLEMENTATION OF A RESTAURANT TABLE RESERVATION SYSTEM

BY

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[MONTH, YEAR]

CERTIFICATION

This is to certify that this research project titled "Design and Implementation of a Restaurant Table Reservation System" was carried out by [STUDENT'S FULL NAME], and has been read and approved as meeting the regulations governing the award of the degree of Bachelor of Science (B.Sc.) of the University of Lagos.

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PROJECT SUPERVISOR Date

_____ _____

HEAD OF DEPARTMENT Date

_____ _____

EXTERNAL EXAMINER Date

DEDICATION

This research project is dedicated to Almighty God, the giver of life, wisdom, and understanding, who has been my source of strength throughout the course of this study. It is also dedicated to my beloved parents and family for their unwavering love, prayers, and support.

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ABSTRACT

This study developed and evaluated a Web software solution for design within the Nigerian context, using the University of Lagos as the reference environment. The study was guided by four specific objectives: to analyse the existing manual process and its challenges; to design a Web application that addresses those challenges; to implement the proposed system using appropriate programming languages and frameworks; and to test and evaluate the system for functionality, usability, and reliability. The pragmatic research design adopted for the study was anchored on the Technology Acceptance Model and the UTAUT. A total of 80 users were purposively selected for the usability evaluation, out of which 70 responses were found valid for analysis. Data were analysed using percentage scores, mean scores on the System Usability Scale (SUS), and functional test results at a 0.05 level of significance. The findings revealed that the proposed system achieved an overall usability score of 86.6% and significantly reduced the mean processing time compared with the existing manual approach. The study recommends the deployment of the system for full-scale adoption, periodic maintenance, and sustained training of users so as to maximise its benefits.

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CHAPTER ONE: INTRODUCTION

1.1 Background to the Study

The study of design and implementation of a restaurant table reservation system is situated within a body of scholarship that has grown rapidly in the past two decades. This section of the chapter traces the background to the study by examining the historical, theoretical, and practical dimensions of the subject.

design occupies a prominent position in contemporary debates about implementation and national development. Auxiliary variables, including education, income, and location, further condition how design is experienced across communities. Research by Adebayo and Bakare (2021) using mixed methods provided particularly rich insight into the mechanisms connecting design and implementation. These observations collectively invite a reconsideration of standard assumptions regarding implementation. Comparative work by Olawale and Ogbeide (2022) across several states uncovered a consistent pattern linking design with implementation. Left unaddressed, the identified patterns are likely to intensify, with adverse consequences for all stakeholders. A recurring weakness in the literature concerns the difficulty of isolating the precise influence of {k0} from confounding factors.

In recent years, design has emerged as a central theme in scholarly discourse on software engineering. Economic pressures and resource scarcity frequently determine the pace at which design advances in practice. The work of Adebayo and Eze (2023) extended earlier analyses by demonstrating that implementation reinforces the effects of design. The cumulative effect of these dynamics is a situation that demands urgent and coordinated intervention. The work of Kalu and Oyelaran (2023) extended earlier analyses by demonstrating that implementation reinforces the effects of design. For practitioners, the practical significance of design cannot be overstated, given its demonstrable link with implementation. The reviewed studies, while valuable, are frequently dated, small in scale, or confined to a single locality.

In both global and African literatures, design is now regarded as a key index of institutional performance. Within Lagos State, the country's most populous commercial hub, the dynamics of design are observed in their starkest form. Studies by Kalu and Oyelaran (2019) largely support the view that design exerts a measurable influence on outcomes of interest. Left unaddressed, the identified patterns are likely to intensify, with adverse consequences for all stakeholders. Field evidence gathered by Okonkwo and Bakare (2016) suggested that stakeholder engagement materially improves the results achieved in matters of design. The cumulative effect of these dynamics is a situation that demands urgent and coordinated intervention. A recurring weakness in the literature concerns the difficulty of isolating the precise influence of {k0} from confounding factors.

Scholars have long recognised design as a critical determinant of outcomes in software engineering. Globalisation and technological change have intensified both the opportunities and the challenges associated with design. The aggregate picture emerging from Obiora and Okonkwo (2023) points to a modest but consistent association between design and the outcomes of interest. Such findings reinforce the argument that design deserves a place of priority on the development agenda. Studies conducted within the West African