DEVELOPMENT OF A WEB-BASED INCIDENT RESPONSE AND CASE TRACKING PLATFORM

BY

[STUDENT'S FULL NAME]

[MATRIC NUMBER]

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[MONTH, YEAR]

CERTIFICATION

This is to certify that this research project titled "Development of a Web-Based Incident Response and Case Tracking Platform" 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 development 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 70 users were purposively selected for the usability evaluation, out of which 64 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 84.7% 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 development of a web-based incident response and case tracking platform 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.

Few subjects attract as much policy interest in contemporary Nigeria as the question of development. Globalisation and technological change have intensified both the opportunities and the challenges associated with development. The work of Adekunle and Eze (2023) extended earlier analyses by demonstrating that web reinforces the effects of development. Sustained engagement with the issues raised here is therefore essential if meaningful progress is to be recorded. The work of Adeniyi and Bello (2023) extended earlier analyses by demonstrating that web reinforces the effects of development. For practitioners, the practical significance of development cannot be overstated, given its demonstrable link with web. Nevertheless, the existing literature is not without its limitations, and several questions remain unresolved.

Debates on national transformation repeatedly return to the role of development and its attendant dynamics. Nigeria's federal structure and its diverse cultural geography ensure that the experience of development varies considerably from one region to another. Longitudinal research by Kalu and Osinachi (2016) revealed that sustained attention to development yields appreciable dividends over time. These developments carry important implications for policy and practice in cyber security. The aggregate picture emerging from Dauda and Nnamdi (2023) points to a modest but consistent association between development and the outcomes of interest. Left unaddressed, the identified patterns are likely to intensify, with adverse consequences for all stakeholders. Despite these advances, notable gaps persist, particularly with respect to context-specific evidence from Nigeria.

Few subjects attract as much policy interest in contemporary Nigeria as the question of development. Rapid urbanisation and demographic expansion across Nigerian cities have heightened the salience of development in everyday life. Field evidence gathered by Dauda and Nnamdi (2016) suggested that stakeholder engagement materially improves the results achieved in matters of development. Accordingly, there is a growing consensus that deliberate policy action is required. A notable study by Kalu and Nwosu (2017) argued that the impact of development is substantially mediated by the quality of institutions. The weight of evidence therefore points toward a renewed commitment to evidence-based decision-making. A recurring weakness in the literature concerns the difficulty of isolating the precise influence of {k0} from confounding factors.

Scholars have long recognised development as a critical determinant of outcomes in cyber security. Public institutions at the federal, state, and local levels have developed programmes that seek to mainstream development into routine governance. An examination by Obiora and Nwosu (2019) attributed much of the observed variation in outcomes to institutional capacity and policy continuity. Such findings reinforce the argument that development deserves a place of priority on the development agenda. Findings reported by