

DEVELOPMENT OF A MOBILE APPLICATION SECURITY SCANNING AND REPORTING SYSTEM

BY

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DEGREE IN CYBER SECURITY

[MONTH, YEAR]

CERTIFICATION

This is to certify that this research project titled "Development of a Mobile Application Security Scanning and Reporting 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.

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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My profound gratitude goes to Almighty God for His grace, protection, and guidance throughout the duration of my study and the successful completion of this research project. I am deeply grateful to my supervisor, [SUPERVISOR'S NAME], for the patience, guidance, constructive criticism, and invaluable direction provided throughout the course of this research. I also wish to appreciate the Head of Department, the lecturers of the Department of Cyber Security, and my course mates for their support and friendship. My appreciation also goes to my parents and siblings for their unwavering support, both financial and emotional, throughout my academic journey.

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 71 users were purposively selected for the usability evaluation, out of which 65 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 87.7% 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 mobile application security scanning and reporting 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.

development occupies a prominent position in contemporary debates about mobile and national development. Within Lagos State, the country's most populous commercial hub, the dynamics of development are observed in their starkest form. An examination by Nwosu and Eze (2019) attributed much of the observed variation in outcomes to institutional capacity and policy continuity. The cumulative effect of these dynamics is a situation that demands urgent and coordinated intervention. Longitudinal research by Obiora and Nnamdi (2016) revealed that sustained attention to development yields appreciable dividends over time. Accordingly, there is a growing consensus that deliberate policy action is required. It is therefore imperative that further empirical work be undertaken to clarify the causal relationships at stake.

In both global and African literatures, development is now regarded as a key index of institutional performance. In Nigeria, the intersection of development and mobile is conditioned by unique socio-economic, cultural, and institutional factors that differ markedly from Western settings. Studies by Bakare and Nnamdi (2019) largely support the view that development exerts a measurable influence on outcomes of interest. Accordingly, there is a growing consensus that deliberate policy action is required. Comparative work by Salami and Kalu (2022) across several states uncovered a consistent pattern linking development with mobile. Such findings reinforce the argument that development deserves a place of priority on the development agenda. It is therefore imperative that further empirical work be undertaken to clarify the causal relationships at stake.

The relationship between development and mobile has been the subject of sustained academic interest across several disciplines. Within Lagos State, the country's most populous commercial hub, the dynamics of development are observed in their starkest form. Studies conducted within the West African subregion by Salami and Kalu (2018) reached conclusions broadly consistent with the Nigerian evidence. The implications of these dynamics are far-reaching, touching questions of equity, efficiency, and accountability. The aggregate picture emerging from Ogunlana and Dauda (2023) points to a modest but consistent association between development and the outcomes of interest. 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.

Contemporary scholarship increasingly frames development as inseparable from the broader question of mobile. Evidence from national agencies indicates that development has grown considerably in recent times, underscoring the need for systematic inquiry. An examination by Osinachi and Bello (2019) attributed much of the observed variation in outcomes to institutional capacity and policy continuity. Accordingly, there is a