

DEVELOPMENT OF A WEB-BASED ACCESSIBILITY MONITORING AND REPORTING TOOL

BY

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[MONTH, YEAR]

CERTIFICATION

This is to certify that this research project titled "Development of a Web-Based Accessibility Monitoring and Reporting Tool" 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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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 68 users were purposively selected for the usability evaluation, out of which 61 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 81.9% 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 accessibility monitoring and reporting tool 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.

In both global and African literatures, development is now regarded as a key index of institutional performance. Globalisation and technological change have intensified both the opportunities and the challenges associated with development. The work of Osinachi and Ekwueme (2023) extended earlier analyses by demonstrating that web reinforces the effects of development. Such findings reinforce the argument that development deserves a place of priority on the development agenda. Evidence assembled by Eze and Ibrahim (2015) across twelve states underscored the heterogeneity of outcomes linked to development. Sustained engagement with the issues raised here is therefore essential if meaningful progress is to be recorded. Despite these advances, notable gaps persist, particularly with respect to context-specific evidence from Nigeria.

development occupies a prominent position in contemporary debates about web and national development. The socio-cultural diversity of Nigeria implies that responses to development must be differentiated rather than uniform. A notable study by Famuyide and Osinachi (2017) argued that the impact of development is substantially mediated by the quality of institutions. For practitioners, the practical significance of development cannot be overstated, given its demonstrable link with web. The work of Nwosu and Oyelaran (2023) extended earlier analyses by demonstrating that web reinforces the effects of development. The implications of these dynamics are far-reaching, touching questions of equity, efficiency, and accountability. The reviewed studies, while valuable, are frequently dated, small in scale, or confined to a single locality.

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. Research by Nwosu and Oyelaran (2021) using mixed methods provided particularly rich insight into the mechanisms connecting development and web. For practitioners, the practical significance of development cannot be overstated, given its demonstrable link with web. A notable study by Okonkwo and Adekunle (2017) argued that the impact of development is substantially mediated by the quality of institutions. The implications of these dynamics are far-reaching, touching questions of equity, efficiency, and accountability. It is therefore imperative that further empirical work be undertaken to clarify the causal relationships at stake.

In recent years, development has emerged as a central theme in scholarly discourse on information technology. Economic pressures and resource scarcity frequently determine the pace at which development advances in practice. The work of Bello and Oyelaran (2023) extended earlier analyses by demonstrating that web reinforces the effects of development. Such findings reinforce the argument that development deserves a place