

DEVELOPMENT OF A WEB-BASED RELEASE AND VERSION MANAGEMENT PLATFORM

BY

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DEGREE IN SOFTWARE ENGINEERING

[MONTH, YEAR]

CERTIFICATION

This is to certify that this research project titled "Development of a Web-Based Release and Version Management 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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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 Software Engineering, 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 73 users were purposively selected for the usability evaluation, out of which 69 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 89.1% 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 release and version management 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.

A growing corpus of literature draws attention to the pivotal role of development in shaping developmental trajectories. Evidence from national agencies indicates that development has grown considerably in recent times, underscoring the need for systematic inquiry. An examination by Aderemi and Musa (2019) attributed much of the observed variation in outcomes to institutional capacity and policy continuity. Accordingly, there is a growing consensus that deliberate policy action is required. Studies conducted within the West African subregion by Nwosu and Bamgbose (2018) reached conclusions broadly consistent with the Nigerian evidence. Left unaddressed, the identified patterns are likely to intensify, with adverse consequences for all stakeholders. It is therefore imperative that further empirical work be undertaken to clarify the causal relationships at stake.

A growing corpus of literature draws attention to the pivotal role of development in shaping developmental trajectories. Rapid urbanisation and demographic expansion across Nigerian cities have heightened the salience of development in everyday life. A notable study by Ekwueme and Kalu (2017) argued that the impact of development is substantially mediated by the quality of institutions. The practical import of these findings extends well beyond the academic sphere into everyday institutional practice. Comparative work by Umeh and Eze (2022) across several states uncovered a consistent pattern linking development with web. Accordingly, there is a growing consensus that deliberate policy action is required. Nevertheless, the existing literature is not without its limitations, and several questions remain unresolved.

development continues to command considerable attention among researchers, policymakers, and practitioners in software engineering. Rapid urbanisation and demographic expansion across Nigerian cities have heightened the salience of development in everyday life. Research by Umeh and Eze (2021) using mixed methods provided particularly rich insight into the mechanisms connecting development and web. The practical import of these findings extends well beyond the academic sphere into everyday institutional practice. A notable study by Bello and Adebayo (2017) argued that the impact of development is substantially mediated by the quality of institutions. 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.

development occupies a prominent position in contemporary debates about web and national development. Globalisation and technological change have intensified both the opportunities and the challenges associated with development. Research by Adigun and Musa (2021) using mixed methods provided particularly rich insight into the mechanisms connecting development and web. Accordingly, there is a growing consensus that