

DEVELOPMENT OF A WEB-BASED SOFTWARE PROCESS ASSET LIBRARY 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 Software Process Asset Library 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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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 78 users were purposively selected for the usability evaluation, out of which 71 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 80.6% 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 development of a web-based software process asset library 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. National policies and programmes have sought, with varying degrees of success, to respond to the realities of development and web. Evidence assembled by Alade and Chukwu (2015) across twelve states underscored the heterogeneity of outcomes linked to development. The implications of these dynamics are far-reaching, touching questions of equity, efficiency, and accountability. Osinachi and Adigun (2020), in a survey of relevant stakeholders, concluded that the benefits of development are unevenly distributed across groups. Accordingly, there is a growing consensus that deliberate policy action is required. The reviewed studies, while valuable, are frequently dated, small in scale, or confined to a single locality.

In recent years, development has emerged as a central theme in scholarly discourse on software engineering. The socio-cultural diversity of Nigeria implies that responses to development must be differentiated rather than uniform. Empirical evidence from Ogbeide and Ogbeide (2021) suggests that positive developments in web are associated with improvements in development. For practitioners, the practical significance of development cannot be overstated, given its demonstrable link with web. Field evidence gathered by Okonkwo and Olawale (2016) suggested that stakeholder engagement materially improves the results achieved in matters of development. The implications of these dynamics are far-reaching, touching questions of equity, efficiency, and accountability. 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 web. Within Lagos State, the country's most populous commercial hub, the dynamics of development are observed in their starkest form. A notable study by Okonkwo and Olawale (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. Evidence assembled by Adeniyi and Aderemi (2015) across twelve states underscored the heterogeneity of outcomes linked to development. Such findings reinforce the argument that development deserves a place of priority on the development agenda. A recurring weakness in the literature concerns the difficulty of isolating the precise influence of {k0} from confounding factors.

A growing corpus of literature draws attention to the pivotal role of development in shaping developmental trajectories. Federal and state governments have initiated several reforms, yet implementation gaps continue to constrain progress in matters of development. Longitudinal research by Famuyide and Famuyide (2016) revealed that sustained attention to development yields appreciable dividends over time. For practitioners, the