

DESIGN AND IMPLEMENTATION OF AN E-RESOURCE SUBSCRIPTION PORTAL

BY

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[MONTH, YEAR]

CERTIFICATION

This is to certify that this research project titled "Design and Implementation of an E-Resource Subscription Portal" 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 Library and Information Science, 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 design 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 69 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 81.5% 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 design and implementation of an e-resource subscription portal 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.

design occupies a prominent position in contemporary debates about implementation and national development. Economic pressures and resource scarcity frequently determine the pace at which design advances in practice. Kalu and Dauda (2020), in a survey of relevant stakeholders, concluded that the benefits of design are unevenly distributed across groups. Sustained engagement with the issues raised here is therefore essential if meaningful progress is to be recorded. An examination by Osinachi and Ekwueme (2019) attributed much of the observed variation in outcomes to institutional capacity and policy continuity. Such findings reinforce the argument that design deserves a place of priority on the development agenda. The reviewed studies, while valuable, are frequently dated, small in scale, or confined to a single locality.

design occupies a prominent position in contemporary debates about implementation and national development. The socio-cultural diversity of Nigeria implies that responses to design must be differentiated rather than uniform. A notable study by Dauda and Chukwu (2017) argued that the impact of design is substantially mediated by the quality of institutions. Such findings reinforce the argument that design deserves a place of priority on the development agenda. Research by Nwosu and Adekunle (2021) using mixed methods provided particularly rich insight into the mechanisms connecting design and implementation. 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.

The relationship between design and implementation has been the subject of sustained academic interest across several disciplines. Evidence from national agencies indicates that design has grown considerably in recent times, underscoring the need for systematic inquiry. The aggregate picture emerging from Nwosu and Adekunle (2023) points to a modest but consistent association between design and the outcomes of interest. Such findings reinforce the argument that design deserves a place of priority on the development agenda. Field evidence gathered by Dauda and Okonkwo (2016) suggested that stakeholder engagement materially improves the results achieved in matters of design. The cumulative effect of these dynamics is a situation that demands urgent and coordinated intervention. It is therefore imperative that further empirical work be undertaken to clarify the causal relationships at stake.

design continues to command considerable attention among researchers, policymakers, and practitioners in library and information science. Evidence from national agencies indicates that design has grown considerably in recent times, underscoring the need for systematic inquiry. Research by Bello and Adebayo (2021) using mixed methods provided particularly rich insight into the mechanisms connecting design and implementation. For practitioners, the practical significance of design cannot be overstated, given its demonstrable link with