



Information and Communication University

Project Report

Project Title: Municipal Public Records Information System (MPRIS)

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Course: Database Management Systems

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Project Scope (Abstract)

For nearly 20 years, the Zambian government has actively pursued the national decentralization policy, aiming to bring government services and functions closer to its citizens and ensure accessibility for all. Local Authorities (Councils) are central to this effort, which serve as the primary link between governance and grassroots communities. Recognizing the importance of digital transformation in enhancing citizen engagement, the policy emphasizes creating and implementing digital platforms for seamless government interaction.

In line with this vision, the Ministry of Local Government and Rural Development, charged with the mandate of overseeing Local Authorities, introduced a nationwide digital strategy. This initiative prioritizes developing and deploying digital solutions to improve access to government services.

To address the needs identified under this policy, my project proposal focuses on establishing the *Municipal Public Records Information System (MPRIS)*. This web-based platform will provide citizens with access to various public records, such as marriage and death certificates, land and property details, and other essential information. Designed for user convenience, the system will feature an intuitive and organized interface, categorizing records for easy navigation and accessibility.

Phase 1: Design and Conceptualization

The design phase was carefully planned to ensure alignment with the target demographic and the overall purpose of the project. The system, a website, is designed to offer a user-friendly, intuitive, and powerful platform for efficiently retrieving and searching records across multiple categories.

Landing Page

The landing page adopts a minimalist yet functional approach, featuring a welcome message, a top navigation menu, and a visually engaging graphical element. It provides seamless access to various services, allowing users to navigate effortlessly to different pages containing the information they seek.

Design Consistency

The website comprises multiple pages, each with distinct functionalities and content. Maintaining consistency in both visual design and functionality is a key priority, ensuring a cohesive and user-friendly experience across the entire platform.

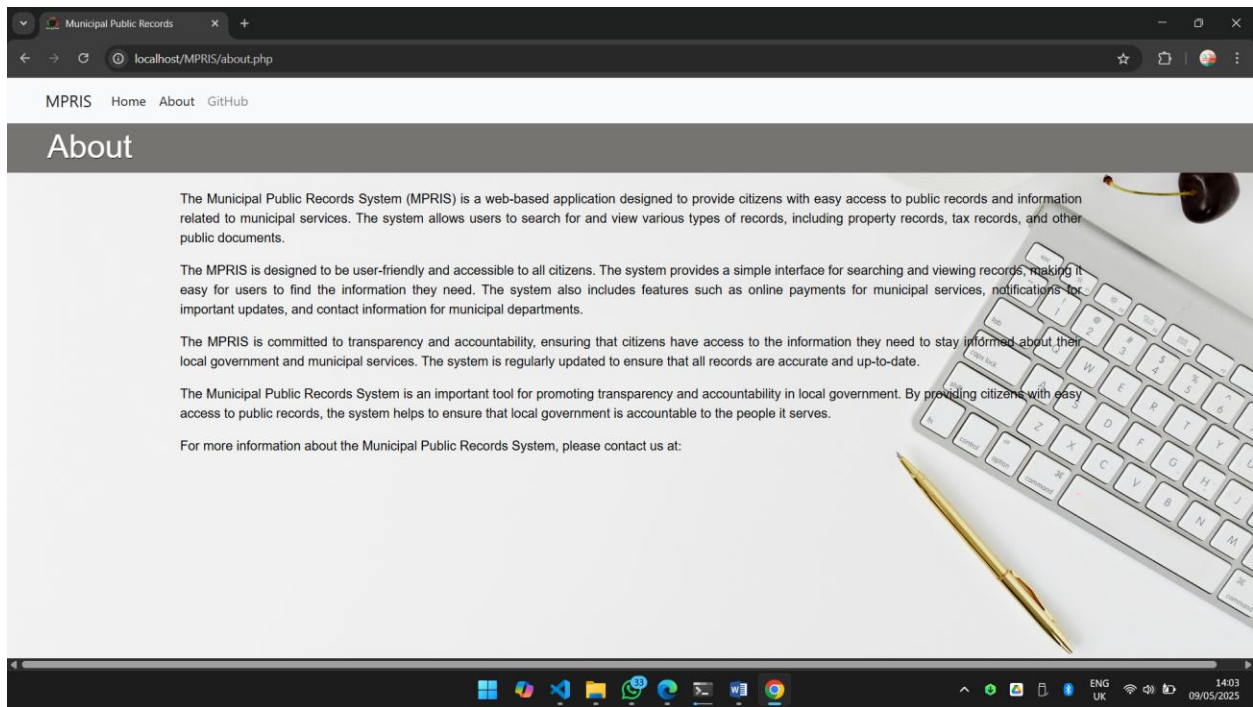
Phase 2: Build and Implementation

The landing page offers a simple, subtle, and clean interface with the navigation bar offering the home and about navigation.

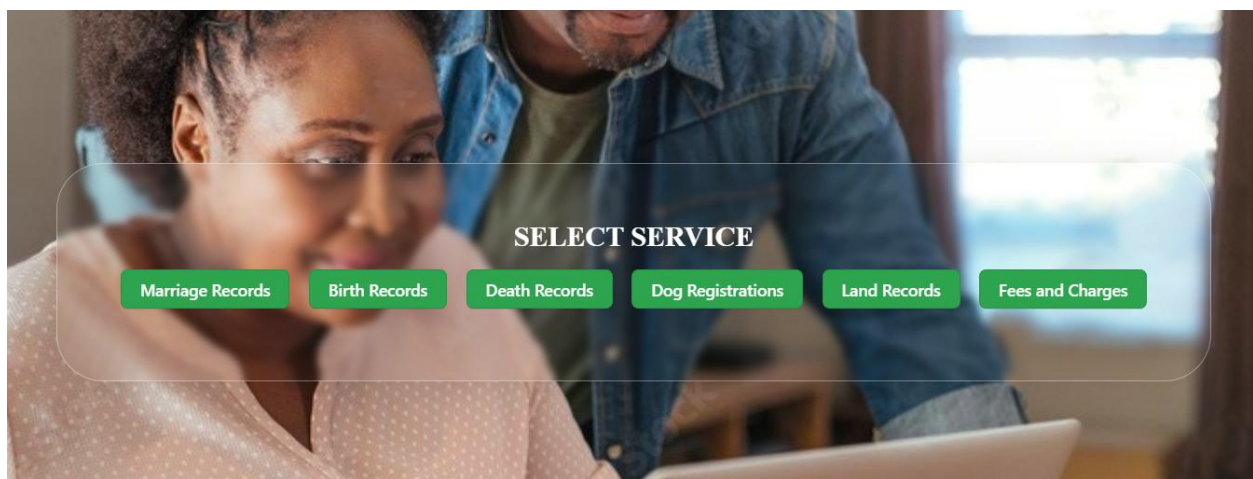


The about page gives the user insight into what the web application is about and what to expect with the user interface and user experience

Its design is in a minimalistic style to reduce the user's cognitive fatigue, giving a clear focus to what we want the user to focus on.

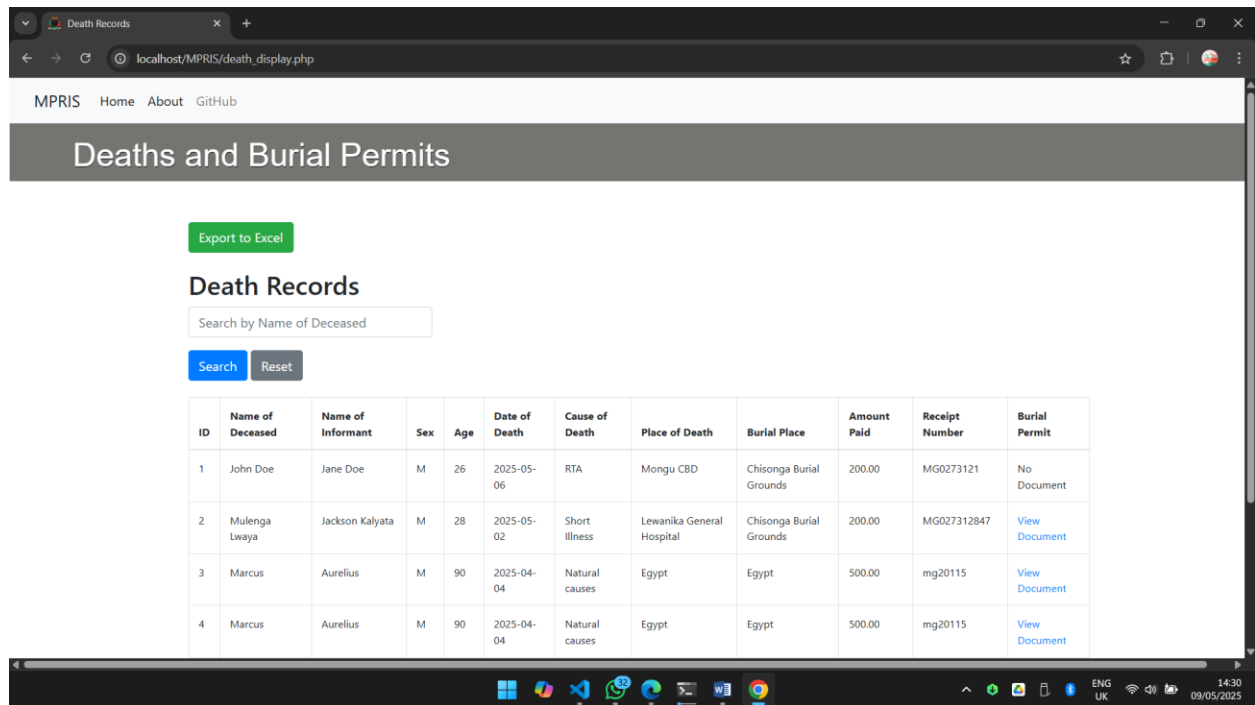


Functionally, the website is dependent on MySQL database, which houses all the information that the user will be interacting with. Being an information website, once the user has picked the information that they want to view, they are redirected to a page that runs a query to the database and displays it on the screen for the user.



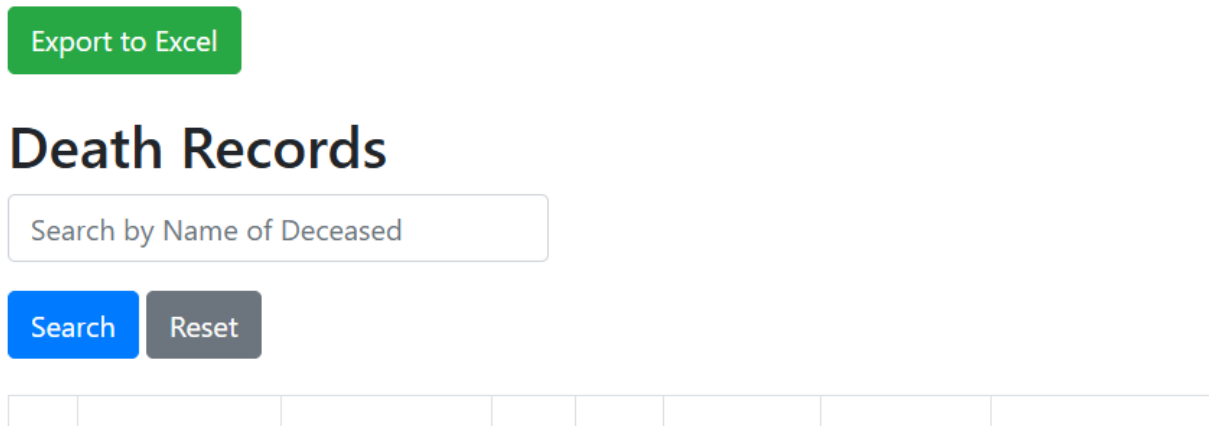
The user selects the required service from the options menu

In this case, say the user wants to view the want to view the records of death, they are redirected to the page that will echo the data contained in the *deaths* table on the database as displayed below.



The page will display a complete record of each deceased person and provide an option for the download of attached burial permits and death certificates that are attached to the record.

Each results display page has added functionality for improved user experience. I have added a search function for easy filtering through records and an option to download the results into Excel to work with offline.



Export results into Excel or use the search option to filter through results.

Navigating to the bottom of each result page is a button that sends you a data capture form to add new entries to the database

					06			Grounds			Document
2	Mulenga Lwaya	Jackson Kalyata	M	28	2025-05-02	Short Illness	Lewanika General Hospital	Chisonga Burial Grounds	200.00	MG027312847	View Document
3	Marcus	Aurelius	M	90	2025-04-04	Natural causes	Egypt	Egypt	500.00	mg20115	View Document
4	Marcus	Aurelius	M	90	2025-04-04	Natural causes	Egypt	Egypt	500.00	mg20115	View Document
5	Marcus	Aurelius	M	90	2025-04-04	Natural causes	Egypt	Egypt	500.00	mg20115	View Document
6	Marcus	Aurelius	M	90	2025-04-04	Natural causes	Egypt	Egypt	500.00	mg20115	View Document
7	Julius Ceaser	Jackson Langa	F	28	2025-05-09	snake bit	Lusaka	Mongu	300.00	Mk223	View Document

[Add New Record](#)

Clicking on the *Add New Record* button takes you to the data entry form to add a new record.

The screenshot shows a web browser window with the address bar displaying 'localhost/MPRIS/death_entry.php'. The page title is 'Death Records Entry'. The main heading is 'Enter Death Records'. Below the heading, there are several form fields: 'Name of Deceased:' with a text input field; 'Name of Informant:' with a text input field; 'Sex:' with a dropdown menu showing 'Male'; 'Age of Deceased:' with a text input field; 'Date of Death:' with a date picker showing 'dd/mm/yyyy'; 'Cause of Death:' with a text input field; 'Place of Death:' with a text input field; and 'Burial Place:' with a text input field. The browser's taskbar at the bottom shows various application icons and the system clock indicating 14:43 on 09/05/2025.

The design and functional implementation are repeated across all the services to maintain user experience and ease of use.

WHAT IS YET TO BE COMPLETED

Before the project can be ready for final presentation, I would like to implement a login function so that the data entry forms can only be visible to authorised users after authentication.

This required me to do some research on PHP session implementation and authentication, as well as create a users table in the database that will handle authentication.

A few visual and design elements may still be adjusted, as may be required but the main objective in the remaining development time is to build on the authentication for the website.