USER MANUAL

InfOR-Web: An Information Website for Oriental Mindoro's History, Culture, and Live Events

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Excecutive Summary

History connects us to our past, helping us understand where we come from and who we are today. To make this connection easier and more accessible, especially for the people of Oriental Mindoro, InfOR-Web was created.

InfOR-Web is an easy-to-use website that shares the history, culture, and special events of towns in Oriental Mindoro. Anyone can visit to learn about local stories, festivals, and even watch live videos of celebrations. At the same time, people in charge can easily update and add new articles, schedules, pictures, and videos. InfOR-Web is a helpful online tool that brings residents, students, and visitors closer to the rich culture of Oriental Mindoro in a fun and interactive way.

About System

InfOR-Web is a comprehensive web-based content management system designed to showcase the rich history, vibrant culture, and live events of the municipalities in Oriental Mindoro. It features a public-facing website where users can explore historical backgrounds, festival information, and watch live streams of local celebrations. At the same time, it includes an administrative interface that allows authorized users to manage and update content such as articles, event schedules, images, and videos. InfOR-Web serves as a digital gateway that connects residents, students, and tourists to the cultural heritage of Oriental Mindoro in an interactive and engaging way.

Scope and Limitations of the Study

This study focuses on the development of a web-based content management system tailored for the municipalities of Oriental Mindoro. The system covers key features such as municipal content management, cultural and historical content presentation, image and media management, live event streaming, and municipality-specific access control. It allows free website access for the public and supports user role management, distinguishing between Super Admin and Municipal Admin roles. The Super Admin has full control over the platform, including handling access requests, while each Municipal Admin can manage content related to their specific municipality. However, the system has certain limitations. It operates on a single database instance, which may affect scalability. File uploads are subject to size restrictions, and the system uses session-based authentication, which may require users to log in frequently. Municipal Admins cannot edit the history page of their municipality or change their own passwords or email addresses. Furthermore, each admin account is limited to managing only one municipality.

Technical Background

This part compiles and discusses all relevant information on the technologies that were utilized in this project. The hardware and software specification that were utilized in the creation of a project.

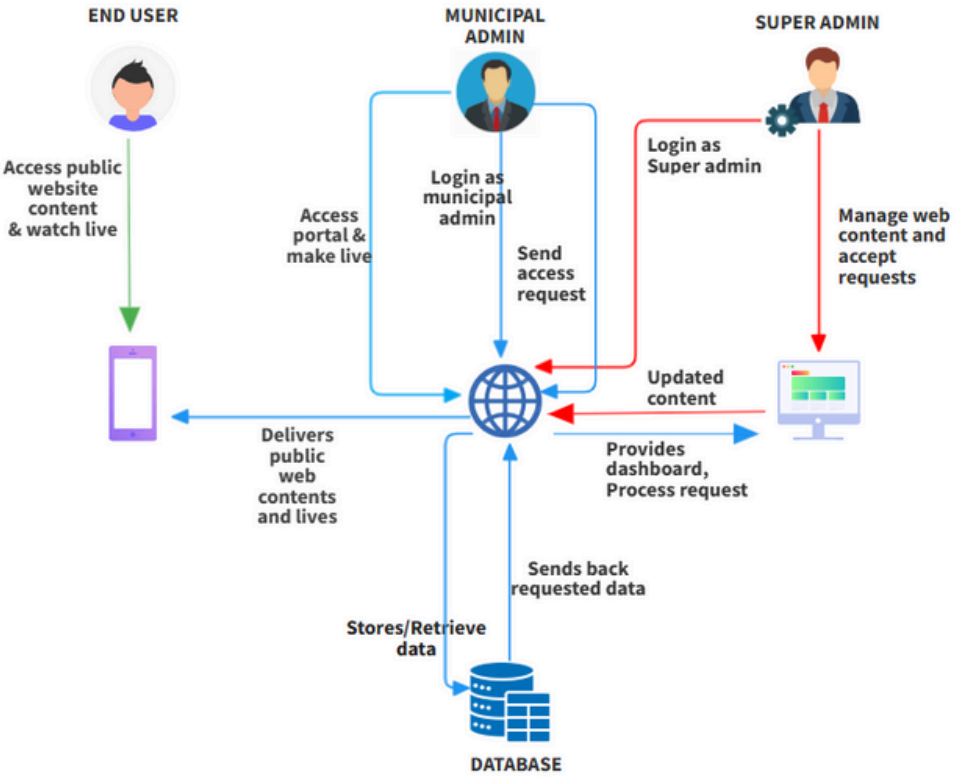
	COMPONENTS	MINIMUM	RECOMMENDED
	SERVER PROCESSOR	1 GHz	2 GHz or higher
	SERVER RAM	2GB	4 GB or more
	SERVER STORAGE	1Gb Free space	5 GB or more for media/content
	SERVER NETWORK	Stable internet connection	High-speed internet connection
	CLIENT DEVICE	Modern web browser-supported	Latest browser version/device
	CLIENT DISPLAY	1024×768 screen resolution	1366×768 or higher
	CLIENT NETWORK	Basic internet connectivity	Stable broadband connection

	COMPONENTS	MINIMUM	RECOMMENDED
	FRONTEND	HTML5, CSS3, JavaScript	Latest versions of HTML5, CSS3, JavaScript
	BACKEND	PHP (V7.X OR HIGHER)	PHP 8.x
	DATABASE	MySQL / MariaDB	Latest stable release of MySQL / MariaDB
	WEB SERVER	Apache via XAMPP	Apache 2.4 with optimized PHP module
	ICON LIBRARY	Font Awesome (basic set)	Latest Font Awesome with pro or extended set
	JAVASCRIPT LIBRARY	jQuery (v3.x)	Latest stable jQuery release
	OPERATING SYSTEM	Windows/Linux (for server deployment)	Linux (Ubuntu Server 20.04 or later)

System Analysis and Design

Infor-Web operates with two main user roles: Super Admin and Municipal Admin. The Super Admin manages user access, system-wide content, and monitors all activities, while each Municipal Admin handles content specific to their assigned municipality. The system uses PHP for the backend and HTML5, CSS3, and JavaScript with jQuery on the frontend. It runs on an Apache server via XAMPP, using MySQL/MariaDB as the database. Key tables include users, activity_logs, about_update, and separate tables per municipality (e.g., baco, victoria). The database structure supports one-to-one relationships between users and municipalities, and many-to-one links from logs and content to users, ensuring organized and secure content management.

System Architecture

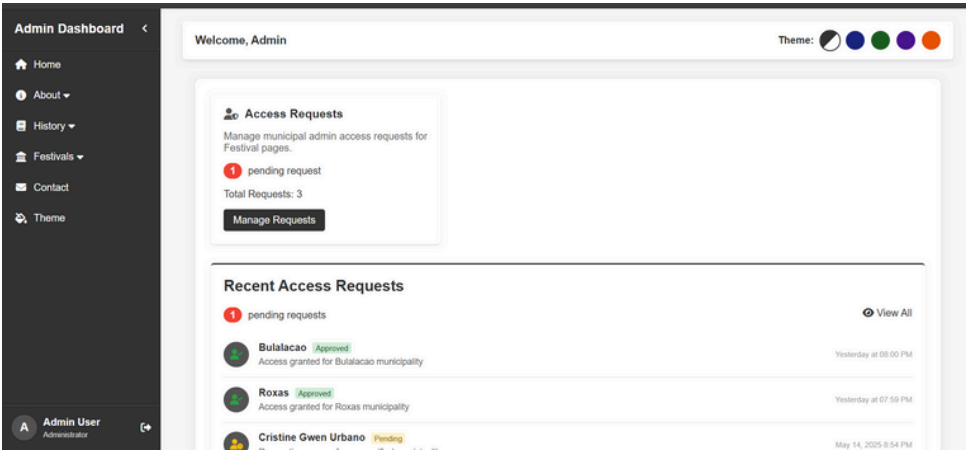


System Architecture

The InfOR-Web system architecture illustrates the interaction among three key user roles: End Users, Municipal Admins, and the Super Admin, all connected through a centralized Web Server and Database. End Users access the public website via mobile or desktop devices to view municipal content and watch live streams. These requests are processed by the Web Server, which delivers the requested content. Municipal Admins log in to the portal to manage municipality-specific content and initiate live broadcasts. They can also send access requests to the Super Admin, who has full control over the system. The Super Admin logs in to manage content across all municipalities, process access requests, and maintain system oversight. All user interactions—such as logins, content updates, and live stream management—are handled by the Web Server, which processes the requests and communicates with the Database to store or retrieve the necessary data. This architecture ensures a streamlined, role-based content management and delivery process for both public users and administrators.

System Output

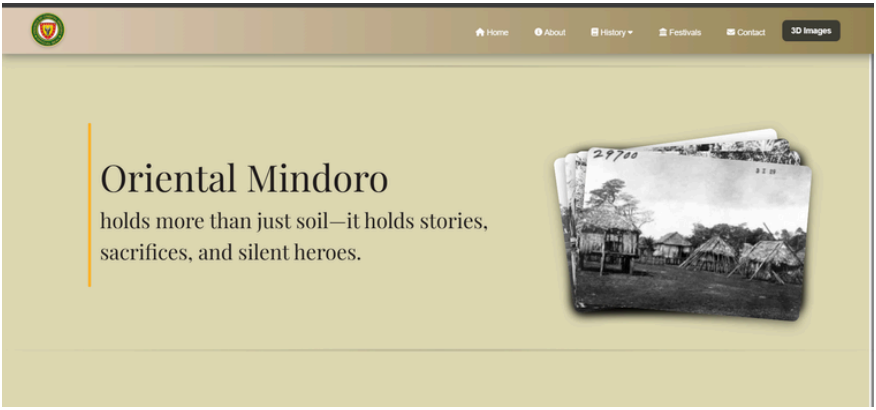
Super Admin Dashboard



This is the super admin dashboard. Where the s-admin manages all contents on website such us texts, images and color. On the admin dashboard home can see the municipal admin's request and has the power to accept or reject that request.

System Output

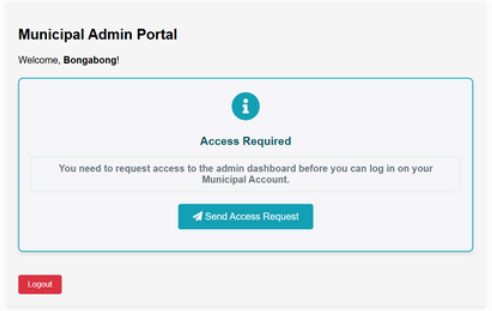
End User's Landing page



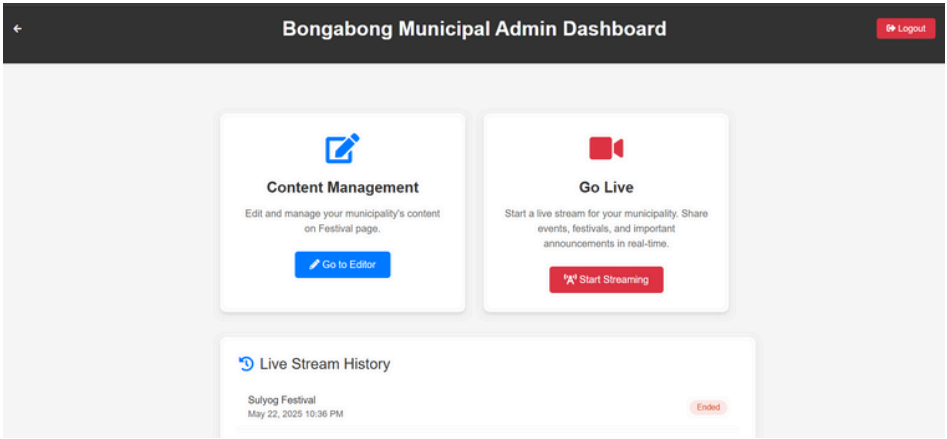
All end users can have free access on the website where they can see clean and user-friendly landing page and explore the rich history of the province. The layout is responsive, making it easy for users to access and enjoy the site in any screen sizes. Below is the festival page where visitors can watch live and explore the Festival.

System Output

Municipal Admin



This is the Municipal admin's portal. After they logged in they will be directed on this page and send request access to super admin before having fully accessed on they designated Municipality. After being accepted, they can finally access the editor page and live for their Municipality which shown on the image below.



Recomendations

1. InfOR-Web is highly recommended for LGUs and citizens as it helps improve transparency, access to public services, and cultural promotion by providing a centralized platform for municipal information and live broadcasts.
2. A mobile-friendly version or dedicated app should be developed to make it easier for users to access content, updates, and live streams anytime, especially on mobile devices.
3. Regular training and onboarding sessions are recommended for municipal admins to ensure accurate and timely content updates for each municipality.
4. Adding push notifications or SMS alerts for new updates, live streams, or important municipal announcements would improve community awareness and engagement.
5. Future updates should allow scheduled live broadcasts, so admins can plan and notify residents ahead of time, improving event reach and participation.

Recomendations

6. Super Admin tools should be expanded to include analytics and reporting features, helping improve content planning and system monitoring.
7.Offline content uploading should be considered for areas with unstable internet, allowing municipal admins to upload and queue updates when connected.
8.Community feedback tools, like ratings or comment sections for municipal content, can be added to encourage interaction and gather public insights.
9.InfOR-Web should be integrated with official social media pages of LGUs to automatically share announcements and live streams, increasing visibility.
10.The system can also be used by schools or local tourism offices as a digital platform to promote local history, culture, and community events.

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