**Proposal for oromia science and technology authority informational website**

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Submitted to:Negalign Gezahegn

Date: Aug 2/2024

**Internship Project Proposal**

Title: Software System Connection Platform for Organizations and Oromia Science and Technology Authority Software Developer Department

Introduction:

Efficient and transparent communication between organizations and government authorities is crucial for seamless software system development and deployment. The proposed system aims to address the challenges faced by organizations in the Oromia region when requesting software systems from the Oromia Science and Technology Authority's software developer department. Currently, the process is often cumbersome, with limited visibility and feedback mechanisms, leading to frustration and delays. This project seeks to create a centralized, web-based platform that will streamline the entire workflow, from request submission to system delivery, ultimately enhancing collaboration and improving the overall experience for all stakeholders.

Objectives:

* Create a web-based platform for organizations to submit software system requests.
* Enable the Oromia Science and Technology Authority's software developer department to review and approve/decline requests.
* Provide notifications to organizations on request status updates.
* Implement a feedback mechanism for continuous improvement.
* Enhance accessibility for organizations geographically distant from the main office.

**Proposed Features:**

1. User Management:

- Registration and login for organizations and the software developer department.

- Role-based access control to ensure secure and appropriate access to system functionalities.

2. Request Submission:

- Intuitive interface for organizations to submit detailed software system requirements, including the ability to upload relevant documents.

- Streamlined and user-friendly request submission process, minimizing the burden on the requesting organizations.

3. Approval Workflow:

- Efficient review and approval/decline process by the Oromia Science and Technology Authority's software developer department.

- Detailed review comments and reasons for approval or rejection, providing clear and transparent feedback to the requesting organizations.

- Timely notifications to organizations on the status of their requests, ensuring they are informed throughout the process.

4. Dashboard:

- Personalized dashboards for organizations and the software developer department, displaying real-time status updates on requests and fostering better visibility and collaboration.

- Intuitive data visualizations and reporting tools to help both parties monitor and analyze the system's performance.

5. Notification System:

- Automated email notifications to inform organizations of request status changes, such as submission, approval, or rejection.

- Alerts to the software developer department for new requests, ensuring timely review and response.

6. Reporting and Analytics:

- Comprehensive reporting capabilities to generate insights on request trends, approval rates, and system performance.

- Advanced analytics and data visualization tools to help the software developer department make data-driven decisions and continuously improve the system.

7. Feedback Mechanism:

- Dedicated channels for organizations to provide feedback on the software systems developed, allowing the department to address any concerns or suggestions for improvement.

- Reciprocal feedback from the software developer department on the overall process and recommendations for system enhancements, fostering a collaborative environment.

**Technology stack**:

1. WordPress: As the core content management system (CMS) and platform for the website.

2. PHP: The primary programming language for WordPress plugin development and server-side logic.

3. JavaScript: For client-side interactions and UI enhancements.

4. MySQL: The database management system used by WordPress to store content, user data, and plugin-related information.

5. HTML/CSS: For building the user interface and presentation layer of the WordPress site.

**Timeline**:

1. Research and planning (1 week):

- Evaluate existing WordPress plugins or solutions that may provide similar capabilities.

2. Plugin Development (1 week):

- Integrate the plugin with the WordPress platform, ensuring seamless interaction with the site's content and user interface.

3. Testing and debugging (1 week):

- Identify and resolve any bugs or issues that may arise during the testing phase.

- Ensure the plugin's compatibility with the current WordPress version and popular WordPress themes.

4. Documentation and Release (1 week):

- Provide supportive resources to assist users.

**Conclusion**:

The Software System Connection Platform serves as a centralized, web-based hub that seamlessly connects organizations in the Oromia region with the software developer department of the Oromia Science and Technology Authority. By streamlining the request submission, review, and delivery processes, this platform enhances transparency, communication, and collaboration between all stakeholders. The intuitive user interface, efficient approval workflow, real-time notifications, and comprehensive feedback mechanisms empower organizations to engage with the software developer department more effectively, while also enabling the department to make data-driven decisions and continuously improve the system