

Title: Web based Teacher Transfer System

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- Name of the Project: Web Based Teacher Transfer System
- List of team members

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Description of the Project

The management of educational resources for various schools, as well as the transfer of teachers between schools and cities, are some of the services provided by the educational sector in Ethiopia. The current teacher transfer management system still uses manual information sharing. For this reason, the manual approach is

- Existence of data duplication
- Poor Data Storage
- Losing the stored document
- Lack of immediate data retrievals
- Overburden work for the education officer, school director, and teacher during providing the service. Therefore, the above listed problems inspire me to develop a web-based system for the Education Sector

Description of Project..

In the current situation the teachers transferring management systems are done manually, but to improve a good quality of education the project I will develop online teachers transferring system. In transferring process, the system record details information about teacher. The system provides transferring of teachers from woreda to woreda and school to school in short period of time.

Demo

<http://localhost/tt/about.php>

Architecture

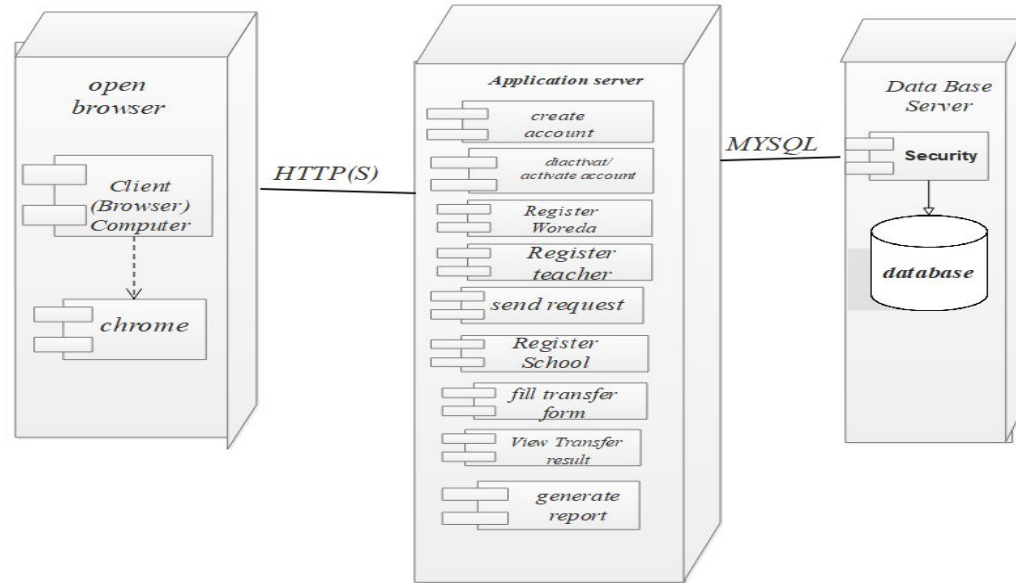
In our Web based application we have designed 3 tier web architecture like

- I. Presentation layer / Client Layer
- II. Application Layer / Business Layer
- III. Data Layer

The three tier web architecture enables us

- ➔ To easily write code
- ➔ To debug code
- ➔ To manage and re-use code.

Architecture Conti..



Presentation layer→Application Layer→Data Layer

Technologies Used

For my Portfolio Project I have used:

I. Hardware Technologies

- Personal Computer(PC)
- Smartphone.

I. Software Technologies

1. Programming Language

I. Client Side:

- HTML : used to create electronic documents (called webpages)
- CSS : for the style of the website
- JavaScript: used to validate data

II Server Side:

- PHP for server side scripting
- **Database and Web Server**

→ Apache web server(Xampp HTTP Server, MariaDB, and interpreter)

Third Service used

I have not used any third-party services or external services, tools, APIs, or applications to add extra functionality or enhance capabilities.

Success

I have already done the functionalities and non functionalities of the proposed system in a good user friendly manner.

The system has good structures, designs and layouts as I proposed.

I have done the system based on my plan and the success rate is almost good. So the success of the system is good.

Failures

The system does not support marital status and health problem of the teacher and
The system not able to do SMS notification . The system is limited only in the
process of web based TTMS of the zonal education office but does not include
about whole management system and it is not support mobile applications.

What can you improve

In the future I will improve the web-based teacher transfer project, by optimizing the code for better performance, implement a more user-friendly design, enhance security measures with proper validation , incorporate a responsive design for mobile compatibility, and utilize a modern PHP framework for better maintainability.

What did you learn?

I learned how to create a web-based teacher transfer system using PHP for server-side scripting & MySQL for database management. It involved designing a user-friendly interface, implementing CRUD operations for managing teacher records, and automating transfer processes according to pre-defined criteria & policies.

What's the next steps of your project?

The next step of this project is adding more functionalities like marital status and health problem of the teacher, integrate mobile applications

- A. Optimize code & ensure responsiveness on multiple devices.
- B. Set up hosting.
- C. Deploy project to live server with proper database configuration.
- D. Test & fix potential issues.
- E. Implement SSL certificate for security.
- F. Monitor & maintain site performance.
- G. Collect user feedback for improvements.

Conclusion

Our web-based teacher transfer project is a user-friendly platform for managing teacher relocations. Developed using PHP, JavaScript, HTML, and CSS, it operates on localhost for seamless functionality. The system streamlines transfer processes, ensuring efficiency within educational institutions.

Thank You !!

ALX SWE Staff