Online Money Collection and Exchange System

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Abstract

This project creates an easy-to-use online system that helps companies manage their employees better, replacing old-fashioned paper files, confusing Excel sheets, and messy WhatsApp communications. Think of it as building a **digital HR** assistant that works for everyone: employees can apply for leave from their phones in 30 seconds and see their leave balance instantly; managers can approve requests with one click even while traveling; HR staff can process payroll automatically without errors; and business owners get real-time data to make better decisions. We're solving everyday problems like salary calculation mistakes, lost leave applications, and hours wasted on manual data entry by bringing everything into one simple, secure web application that works perfectly on computers, tablets, and mobile phones - making HR management as easy and reliable as online banking or food delivery apps that people already use every day.

Introduction Introduction to the Online Money Collection And Exchange System

Internships play a vital role in bridging the gap between academic learning and real-world industry exposure. They allow students to apply their theoretical knowledge in a practical environment, gain technical proficiency, and understand professional workflows. My three-month **Front-End Web Development Internship** at **Clustor Computing** provided me with valuable hands-on experience in website development, responsive design, and user interface implementation. During this period, I contributed to the development of **SkillForge**, a web-based learning platform similar to Udemy, where tutors can upload their courses and students can enroll in skill-based programs. This introduction highlights the organization, the scope of my work, and the overall learning outcomes from this internship experience.

SkillForge reflects the integration of cloud technology with education, leveraging cloud storage and hosting for reliability and scalability. The frontend implementation emphasized responsiveness and interactivity, ensuring the website adapted seamlessly across devices. Regular testing, debugging, and optimization ensured high performance and usability.

From a learning perspective, the project enhanced my understanding of software development lifecycles, front-end frameworks, and deployment practices. It also reinforced the importance of teamwork, communication, and problem-solving in professional environments.

Overall, the internship and SkillForge project provided a comprehensive experience in web development, combining creativity, technical proficiency, and cloud-based implementation. It stands as a significant milestone in my academic and professional journey, showcasing how technology can transform the way education is delivered in the digital world.

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EXISTING SYSTEM

1. The Paper & File System

Used by: Small shops, local businesses, factories

How it works:

- a) Employee files kept in steel cupboards or boxes
- b) Attendance marked in big registers with pen
- c) Leave forms printed on paper, signed, and stored
- d) Salary calculated on calculators or Excel

Real problems:

Files get lost or damaged by rats/moisture

- a) Takes 30 minutes to find one employee's file
- b) No backup if fire/water damages files, data is gone forever
- c) HR person must be physically present to access records

2. The Excel Sheet Jungle

Used by: Most small to medium companies

Different Excel files for different things:

- a) One file for employee names and addresses
- b) Another for attendance
- c) Another for salary details
- d) Another for leave records

Issues everyone faces:

- a) Someone accidentally deletes important data
- b) Same information typed 5 times in different files

System Architecture for Simulation Project of Online Money Collection And Exchange System

Think of our HR system like a well-organized restaurant. We have three main sections working together perfectly:

- 1. The Front Desk (Frontend) is what everyone sees and uses a clean, simple website that works beautifully on computers, tablets, and mobile phones. This is where employees apply for leave, managers approve requests, and HR views reports, all with a familiar app-like experience that's fast and easy to navigate.
- 2. The Kitchen (Backend) does all the heavy lifting behind the scenes it's the powerful server that processes leave requests, calculates attendance, manages user logins securely, and handles all the business rules, working efficiently 24/7 without anyone noticing it's there.
- **3.** The Storage Room (Database) safely stores all the information in one organized place employee records, leave histories, attendance data, and company policies are all neatly arranged and instantly available when needed, replacing the messy paper files and scattered Excel sheets companies use today.

All these parts communicate smoothly through secure digital pathways (APIs), ensuring that when an employee applies for leave on their phone, it instantly reaches their manager for approval and gets recorded properly - no lost forms, no WhatsApp messages, no confusion, just everything working together seamlessly in one reliable system.

Applications of Simulation Project of Online Money Collection And Exchange System

This HR system works like a super-efficient digital assistant for everyone in the company. For employees, it's like having a personal HR app on their phone where they can apply for leave in 30 seconds, check their remaining leaves instantly, view their attendance record anytime, and update their personal information without filling paper forms or waiting in HR queues. For managers, it becomes their virtual team dashboard where they can approve or reject leave requests with one click even while traveling, see who's available in their team at any moment, track attendance patterns, and make better decisions without endless WhatsApp messages and email chains. For HR staff, it transforms from being data-entry clerks to strategic partners - the system automatically calculates salaries, generates reports in seconds, maintains perfect records, and frees them up to focus on training programs, employee development, and creating better workplace policies instead of spending hours fixing Excel formula errors. For business owners, it provides real-time visibility into their most valuable asset - their people - helping them make smarter decisions, reduce operational costs, ensure compliance, and scale their business without their HR systems breaking down as they grow.

Conclusion

The **Front-End Web Development Internship** at **Clustor Computing** was a transformative experience that allowed me to merge academic concepts with real-world implementation. Working on **SkillForge**, a learning platform inspired by Udemy, I enhanced my technical expertise in HTML, CSS, JavaScript, React.js, and cloud hosting.

The internship improved my understanding of website responsiveness, code modularity, and the importance of user-centered design.

The mentorship and guidance from the team at Clustor Computing provided both technical and professional insights, helping me grow as a developer ready for future challenges in the IT industry.

Refernce

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