

RESOURCE LICENSING SYSTEM Fitness Frontline

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ABSTRACT

The project focuses on developing a resource licensing system for Fitness Frontline platform, which gives access to the resources on physical health and well-being for corporate organizations. It provides with a streamlined process of submitting interest, receiving pricing confirmation, making secure payments, and gain download access to resources. The main functionalities include automated registration, license code generation, admin-managed pricing and automated invoicing, and controlled access to secure payment with automated confirmation and access digital resources. The system is built using WordPress HTML, PHP, MySQL, and Stripe API, with strong emphasis on security, reliability, and operational efficiency. Overall, the solution enhances workflow automation, reduces manual effort, and ensures easy accessibility to valuable health and wellness resources in the digital marketplace.

MOTIVATION

- To educate employees on workplace safety and protection from potential hazards.
- To bridge the gap in availability of health and wellness resources for organizations.
- To simplify digital distribution of resources to employees across various organizations.
- To enable informed decisions for organizations when purchasing wellness resources online.
- To support workplace health and safety compliance through easy access to verified materials.
- To strengthen employee and management relationships through shared wellness initiatives.

METHODOLOGY

Agile methodology approach with continuous client feedback and iterative testing.

Data and Resources: Books provided by John Miller and organisation details, license codes, and payment records securely stored in the WordPress (Wotlink) database under admin-only access.

Technologies:

Frontend: WordPress, HTML, JavaScript Backend: PHP (WordPress theme integration)

Database: MySQL (phpMyAdmin)

Payment: Stripe Checkout (secure gateway)

Testing and Deployment: Each module tested, verified with mentor and sponsor feedback, and deployed on a live WordPress hosting environment.

OUTCOME

Resources Licensing System

Display available resources

Efficiency

- The generation of licenses that are automated in nature reduces the effort of generating it manually.
- The automated email notifications enhanced the overall workflow and the credibility of the system.
- The tracking of the payment status made it easy for the admin to get real time information and payment updates.
- The stripe checkout integration empowered the system with a safe, secured, real time payment validation and the email notifications.

Value on Business

- Upon integration of automations in various functionalities, it reduced administrative workloads, enhanced processing time and increased client satisfaction.
- This whole operation enabled the Books written by John Miller to scale its licensing model at an enormous scale which generated a continuous and sustainable revenue stream.
- The whole process of easy access to resources at a digital level enhanced the credibility of the organisation.

upon successful submission license code auto generated and saved in database and downloadable access to resouces

Admin dashboard for admin to access the organisation details and set price Admin sent automated invoice with details on pricing and guide to access the books with organisation name and license code credentials

Admin reviews request and discuss

pricing through email or phone call

with organisation name and license code credentials

Organisation Login (Organisation

Name + License Code)

Secure Stripe payment request

Upon successful payment email

notification for the admin and the

Access to resouces (Downloadable

Technical Implementation and

payment done

• The adoption of MySQL database made it easier to insert and update the details.

Performance

- The backend operation with php helped in adopting different functionalities of various processes.
- The tools and elements present in the WordPress helped in developing an enhanced and elegant user interface.

Impact on organisation

- The onboarding of customers made simple and efficient which enhanced the user experience.
- Availability of the resources online in digital media, made it easily accessible and sharable for the organizations.
- The tracking of payment status and registration interests made it easier to improve the client-admin relations.
- The training modules provided the organizations and employees minimize the chances for workplace injuries, prevent the complications of workers compensations.

RECOMMENDATIONS

- Updating the WordPress or adding new plugins without testing the compatibility can break the php integration which results the crash of system.
- While WordPress is good for frontend development, advanced backend development is not ideal in WordPress. For future development, consider migrating into a better framework which support complex and advanced backend development.
- Currently, organizations can download resource before purchasing the license, it is recommended to restrict access and lock the resource until they purchase the resource

FUTURE ENHANCEMENTS

- As currently the system supports organizational, individual user purchase can be implemented in the future.
- Instead of pricing all the books the same amount, variable pricing can be implemented based on the value and content of book
- An automated license renewal system can be implemented which helps organizations to extend their license.
- Development of mobile application expand the accessibility and availability.
- Implement AI-based recommendations for customized wellness resources purchase.
- Enable license renewal and subscription options.

CONCLUSION

The development and implementation of Resource Licensing System for Fitness Frontline clearly achieve the goal of creating an automated, secure and scalable system. The manual inefficiencies are eliminated by integrating functionalities like license generation, payment processing, secure access control, and administrative dashboards. Proper testing, database optimization, following proper security measures for development confirms the operational reliability. In summary, the project gives a strong user focused solution for efficient digital resource distribution.

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