Extended Abstract

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Abstract

The objective of the internship was to develop a dynamic web application using WebDev23 for pharmacists to facilitate the management of their medication orders. The application enabled the users to log into the platform and make their medication order after selecting the products they want and the quantities. It also enabled them to track their orders and make complaints if they encounter any problem. Learning WebDev23 independently from scratch was challenging but a lot of time management, adaptability and operational skills were applied to pass this mission. Because several problems had to be fixed during the process, problem-solving skills were improved. Furthermore, gathering feedback all along the project helped in enhancing the team's communication and project management abilities. The finished application was accepted and made a major addition to pharmacists workflow by facilitating the ordering procedure.

Keywords: Dynamic web application, WebDev23, Pharmacists, Medication orders, Order management

1. Introduction

This summer, I participated in a web application development process during my two-month internship at Solinfo. The company, located in Fès, Morocco, was very welcoming and the tutor was very helpful and made me feel at ease in the team. As a full-stack developer, i was charged to design an interactive platform for helping pharmacists to manage their medication orders efficiently. Thus, i was charged to design an architecture for the application by making a fitting database, designing the user interfaces and coding the back-end services.

Since, I was unfamiliar with WebDev23, a development platform that combines database design, server administration, user interface design and backend coding, was one of the obstacles i met in this project. However, I was able to surpass these challenges because of my adaptability and my dedication to learn new things.

The work completed during the internship will be described in this document along with an analysis of the feedback giving by my tutor.

2. Work Conducted During the Internship

The main functionalities of the dynamic web application included :

Medication Ordering :
The users were to place orders for both human and veterinary medications using a search bar, which makes the process quick and intuitive thanks to the graphic interface.

Real-Time Stock Management :
The inventory is managed automatically in real time, to ensure that pharmacists have always an up-to-date information on the availability of products.

Order History :
Users can access the history of their past orders, thus they can easily reorder and have a record of their orders.

Order Tracking :
Pharmacists can check the status of their orders anytime until delivery.

Complaint Submission :
Users were allowed to submit complaints regarding orders or the platform services, so administrators can fix the problem.

I began the project with designing and implementing a robust database which enclude different entities de help reaching clients and have a record of every transaction and orders. My role included creating this database schema, then i implemented it in the devWeb23 databases section. Moreover, i developed the backend with WLanguage which is a specific language of the WebDev company: I really think it was a good idea to simplify JavaScript into a really simple language everyone can learn rapidly. Finally, I designed the final user-friendly interfaces.

Despite being new to WebDev 25, I independently learned the platform using the documentation all along my internship. However, i didn't hesitate to reach my tutor whenever i encounter an issue. So, I applyed its features to build the final responsive application. My hybrid work schedule—two days remote and three days on-site was very helpful for me since i was able to collaborate with my tutor while working my autonomy in the development process.

The final deliverable was a fully functional application that met my tutor expectations, thus, it helped pharmacists in their workflow and increased performance.

3. Feedback Analysis and Reflection

The feedback that my tutor gave me at the end of my journey in the company highlighted a lot of skills and strengths such as independence in learning new tools, problem-solving, active team-work and an incredible time management. The tutor really appreciated my ability to learn WebDev23 autonomously.

In self-evaluation, I can say that i identified the some points that must be improved by time :

Task Management :
I was starting to code whenever i had a small idea in mind, but i wasn't taking time to detail the development process of it and make sure it will work. Sometimes, i found myself lost in coding, i completely didn't know what I'm doing but just trying different things to make it work.

More autonomy needed :
i learned that searching for the information alone bu googling moved in me a sense of curiosity and teached me to work harder to find something.

Collaboration :
Idea sharing is the most epic thing in team-work because it helps everybody exploit what the other think and it could be a better and an easy one.

I'm motivated to focus on looking after these areas in future projects to enhance my professional skills.

4. Conclusion
This internship was a valuable opportunity to apply my academic knowledge in a professional experience, and discover how companies works and all their administrative modalities.

As for learning WebDev23, I concluded that it's a powerful tool that facilitate the web developement tasks since it provides a lot of means to handles databases and servers easily and efficiently, but to learn it independently was a rewarding challenge that allowed me to design a functional web application while discovering my adaptability and my autonomy.

My tutor was finally happy with the result and ensure me that the application will be very helpful and will improve the workflow of the pharmacists.

For now, I'm planning to continue building on what i learned from this internship by refining my task management, my autonomy and my team-work to be more efficient and pro-active in the future professional experiences.

5. Acknowledgements

References
[1] PC SOFT. *Documentation officielle de PC SOFT*.
Disponible sur : `https://doc.pcsoft.fr/`.