UNIVERSIDAD PANAMERICANA

Web Application Development

Development team log

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Development log #1

The process of creating our project involved going through several complications, from proposing an initial idea of how the page interface should look and the main purpose of it, to directly how to build it so it would achieve our goals and expectations.

Almost all the features and design that were used to create the website came about through brainstorming between the two of us. The process was basically putting all the ideas and proposals on the table and then discarding those that didn't seem so good to us. This first moment didn't involve any major inconvenience, since we were quite sure and in agreement about the general objective that we wanted to achieve through our project, as well as the approach that we wanted to give it with respect to the UN objective that we chose.

The next step was to start programming. Having a clear enough idea to start with, it wasn't such a tedious activity either, and part of the functions and style that we decided to give to the project were obtained by mixing functions that we each use in our own portfolios, so we were already familiar with the main functions. However, this doesn't mean that we haven't had difficulties. On several occasions, when we wanted to check that everything was in order, we noticed that some of the functions that we had added to make the page more stylish didn't work or weren't activated when we needed them; in the same way, our page makes use of a lot of links and connections, so on more than one occasion we forgot to close them properly, or we put them in the wrong places, causing failures. But between the two of us and with a lot of careful observation, we managed to identify these errors and correct them.

We think that time was also a factor that worked against us during this delivery, since having other projects plus the exams made it difficult to find a suitable time to meet to discuss and work on the creation of the page; however, we are a good team, so we eventually found a way to get the work done, and we intend to continue doing so until the final delivery.

Development log #2

This second delivery was similar to the first in terms of it being a bit complicated to organize ourselves in time to be able to move forward together in the work, since our activities got in the way. However, we had the advantage that part of what was requested in the delivery of this second partial in terms of the design and animations made with js we had already thought about and done for the first delivery.

For this installment, Hannah took care of the backend, while I did the research for the different elements we needed to complete our project. On the other hand, I took care of the frontend for some sections we still had pending, such as the main objective section of the work and some extra decorations.

We had a few issues along the way, for example, when accommodating our previous files with the elements required by Express, sometimes the page could not access certain elements, or we had to change the addresses; but in the end, we managed to get the page working as it should using the new functions.

Development log #3

Working on the Virtual University Fair website as a team was both a rewarding and challenging experience. Despite the time constraints we faced, our team had a good collaboration and adaptability. Everyone contributed their strengths and supported one another through the process, which was crucial in overcoming the obstacles we encountered.

One of the most significant challenges was transitioning our previous work into React. Adapting to a new framework required not only technical adjustments, but also a collective effort to learn and apply React principles effectively. While it was difficult to refactor and restructure our codebase, this transition ultimately helped us understand better practices for building dynamic and interactive user interfaces.

Many of the functions we had implemented in earlier versions of the project required significant modification to fit into the new structure. Adjusting these features involved rethinking their logic and ensuring compatibility with React's component-based architecture. Though this process was time-consuming, it allowed us to enhance the functionality and performance of these features.

Following the recommendations provided by other teams and our professor, we made various improvements to the website's functionality and aesthetics. These changes included refining the user interface for a more polished and engaging design, optimizing navigation to improve user experience, and addressing feedback on performance issues. By incorporating these suggestions, we delivered a product that aligns more closely with user needs and expectations.

Although the project presented numerous challenges, especially with the time limitations and the shift to React, it also offered valuable learning opportunities. The team's resilience, adaptability, and openness to feedback played a key role in the successful completion of the Virtual University Fair website. Moving forward, these experiences will undoubtedly serve as a strong foundation for future projects.