Self-Reflection Report

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1. Yourself by using 5 words

Motivated, Collaborative, Innovative, Adaptable, Leadership

2. A subsection on what you have learned through the third year group project and how it could benefit you.

Working on the SmartShopper project has been a valuable experience that helped me to grow both technically and personally. I learned how to work effectively with a team and quickly adapt to previously unknown technologies like Ballerina, which was new to me but important for the backend development of smartShopper. This project also improved and expanded my skills in React.js as well as in Tailwind CSS, allowing me to build more advanced and interactive front-end components. Also, I developed my skills in handling GitHub, as we had to resolve some merge conflicts while maintaining version control.

Additionally, I enhanced my documentation and presentation skills, which are important for clear communication in professional environments. These skills will help me in my future profession as well as in my upcoming internship activities by enabling me to work effectively in teams and deliver better solutions.

3. A subsection on how was your group work experience and your role and contribution within your group.

My experience within my group was positive and enjoyable. We worked well together, combining different ideas of everyone and using each member's strengths to reach our project goals and objectives.

My main role was to develop features related to the admin, integrate Chart.js for analytics of the application, use jsPDF for creating PDF documents generated through the smartShopper, and help develop the shopping optimization algorithm. I also worked on adding Google Maps to the project to improve the user experience.
In addition to technical work, I contributed to the project's documentation, including the project proposal, Software Requirements Specification (SRS), smartShopper manual, and other reports. I also helped prepare and deliver presentations to clearly share our work with the panel and our stakeholders.

4. A subsection on what went wrong and what went well for you and how you could improve yourself in future.

What went wrong

Learning Ballerina was a big challenge because of limited resources and documentation. However, we overcame this by joining sessions hosted by WSO2, where their technical leads provided us helpful guidance, experience and shared best practices. Also, at the beginning of the work, we had less communication among the team but we overcame it by having meetings every week.

What went well

Positively, our group showed great teamwork, collaboration, patience and adaptability. Our group had a tech lead who served as our mentor. So we made good use of WSO2's support, which helped develop our project. We also worked hard to maintain and follow best practices using in the industry in implementing, testing, and documentation, which led to a valuable quality product.

How you could improve yourself in future

In the future, to improve myself, I plan to spend more time on learning while searching new technologies early to prevent struggles that may arise at early stages. I also want to improve my skills in time management to handle complex activities in a better way. Taking feedback and advice from experts will be helpful to my personal and professional growth.