

Reflection on Supermarket FreshChoice

By: Simeon Markov

Class: 08/EN

Project Group: 02

Institution: Fonty UAS

Date: 12/5/2025

Introduction

This document outlines my contribution and performance during the project's development process, the steps I was involved, communication problems that occurred and how and what approaches I considered in order to resolve them.

My contribution

Planning process:

I was particularly involved in defining the **objectives** and structuring the **points for the project**, diving into the real problem (constructing the **main questions**) and participating in the **gaant chart planning**. The potential obstacle I had was making myself clear to my team and having to account for different backgrounds of everyone so that the tasks could be distributed fairly and ensuring the particular assigned task would be completed in time.

Analysis phase:

At that phase I was involved in exploring tools that we can all agree to use and drawing the **functional and non-functional requirements** from the already defined user stories that the other members did. The challenge here was to fairly scope the application's needs so that it is achievable to realize within the time restrictions.

Design phase:

During the design phase, I was working on the **database schema design**, defining tables and the relationships between them and generating an diagram. This phase was especially important for me, because I had to think of the data we are going to work with, which is essential for building the frontend and backend (I had agreed my database with the rest of the members, basically discussing if that piece of data (table with its columns) would be needed or if something is to be added or edited).

Realisation phase:

At this stage, I explained the **project's structure**, the **differences in design** that we had from our initial design plan and the **code documentation**. During the realization, some changes occurred, like in my part it was in the database so I had to reflect those changes and ensure that they match what we were currently having.

Testing phase:

My task was to test the different components of the application like ensure that the defined 'must-have' prioritization requirements are met. We divided the verification and validation process among us, so when others were stating the features that have to be met, I was testing them from the point of an end-user.

My performance (S.T.A.R.R. Method)

Checkpoints 3-5: Group discussions and project progress:

Situation: We were in a group meeting discussing who will do what and for what time it will be finished. At the end we presented our project to the class.

Tasks: The design and the backend alongside with the database had to be implemented within the given time.

Action: I took the initiative to elaborate on the topic of design and backend (integrating the UI components to the framework and organizing the project's code structure) and explained it to the teacher that was checking our progress each week.

Result: We advanced with that part of the project and moved to the other parts that had to be finished.

Reflection: I learned to better adapt to different schedules, communicate ideas and be open to new things, unpredicted changes.

Future improvements

Prsentation time management:

During project's presentation I could have plan better my part in presenting some of the slides (instead of descriptive explanation, I could have shown more of the demo or explain better other parts of the presentation).

Introducing management tools:

I could have talked out of using management tracking tools, leveraging agile methodology with my teammates to better keep track of our progress and allocate tasks more efficiently.

Conclusion

After the realization of the project, I came to know better my teammates, what was holding us from performing better, what could we improve together. I learned to cope up with each member's pace.