

Software Engineering Semester 2

MEDIA BAZAAR

Process Report

January 2021

S-CB-S2-CMK Group 3



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Stake Holders Information

Client Information:

Name: Rafayel, Avetyan

Contact: r.avetyan@fontys.nl

Relation: Representative of Media Bazaar

Team information:

Project manager:

Name: Roopali, Gupta

Contact: r.gupta@fontys.nl

Development members:

Name: Ebowusim, Michael

Contact: 4050630@student.fontys.nl

Name: Moonen, Luc

Contact: 435115@student.fontys.nl

Name: Smirnov, Kirill

Contact: 3775321@student.fontys.nl

Name: Osuntuyi, Michael

Contact: 433436@student.fontys.nl

Work Division:

During each stage of the Development Cycle. After identifying what must be done, as a group, we split each job to all members ensuring equal standings in the project.

The following shows what each member has worked on:

Documentation

Moonen, Luc:

- Writing of minutes.
- Writing of project plan.
- User Requirements document (URS).
- ERD creation.
- Gave ideas for UML.
- Gave ideas for Test case.
- Gave ideas for Test report.
- Process report.
- Automatic scheduling activity diagram.

Osuntuyi, Michael:

- Writing of minutes.
- Writing of project plan.
- User Requirements document (URS).
- UML creation.
- Give ideas for ERD.
- Gave ideas for Test case.
- Gave ideas for Test report.
- Process report.

Ebowusim, Michael:

- Writing of minutes.
- Writing of project plan.
- User Requirements document (URS).
- Test case creation.
- Gave ideas for UML.
- Gave ideas for ERD.
- Gave ideas for Test report.
- Process report.
- Activity Diagram.

Smirnov, Kirill:

- Writing of minutes.
- Writing of project plan.
- User Requirements document (URS).
- Test report creation.
- Gave ideas for UML.
- Updated ERD.
- Gave ideas for Test case.
- Process report.
- Activity Diagram.

Application

Osuntuyi, Michael:

- *Updated / Created the tables / fields & records in the database.*
- Refactored code.
- Created "Admin Log" with functionalities (View Log).
- Updated "Employee Management" functionalities (*Add / Update / Dismiss employee, view dismissed employees and send email after adding an employee*).
- Created "Role Management" with functionalities (*Add / Update / Remove role, view roles and roles to PDF*).
- *Created / Updated login functionalities (After 3 attempts failed a cooldown and after first login forced to change password).*
- Created "Department Management" with functionalities (*Add / Remove department, department to PDF and view department with employees*).

Moonen, Luc:

- *Updated / created the tables / fields & records in the database.*
- Refactored code.
- Created "Scheduling" with functionalities (*Add / Remove schedules, view schedules per day and automatic scheduling for set dates*).
- Created first version "Employee Management" with functionalities (*Add / Update / Dismiss employee*).
- Updated whole UI of the application with the same style as the website.

Ebowusim, Michael:

- Refactored code.
- *Updated / created the tables / fields & records* in the database.
- Created "Personal Details" with functionalities (Update user details and view personal details).
- Created "Shop personnel Stock" with functionalities (Search for product, *increase / decrease* stock, show low stock and save changes).
- Created "Shop personnel Schedule" with functionalities (View personal schedule of the currently logged in user).

Smirnov, Kirill:

- Refactored code.
- *Updated / created the tables / fields & records* in the database.
- Created "Stock Management" with functionalities (*Increase / Decrease* stock, stock to PDF, *add / remove* product, view low stock and save changes).
- Updated multiple forms to show 10 records and load 10 more records in with the "See more" button.
- Created recording attendance by QR code working with the website.
- Created Encryption that works with the application.

Website

Smirnov, Kirill:

- Refactored code.
- Created "Stock page" with functionalities (View stock information, view low stock, search for stock depending on the users desired field e.g., product ID or product name and set limit for records shown).
- Created Encryption that works with the website.

Ebowusim, Michael:

- Refactored code.
- Created "Personal Details page" with functionalities (Update user details and view personal details).
- Created session handling.
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Osuntuyi, Michael:

- Refactored code.
- Created "Statistics" with functionalities (View 4 pie charts with company statistics).
- Created "Employee Management page" with functionalities (View employees' information and search for employee depending on the users desired field e.g., first name or last name).
- Hosted the website on hera fhict servers.

Moonen, Luc:

- Refactored code.
- Created "Schedule page" with functionalities (Employee can see only his schedules, management and above can see all schedules and see the department as well).
- Created "Availability page" with functionalities (Set weekly availability or day availability).
- Created "Login" with multiple roles.
- Updated whole UI of the website.

Personal Reflection

Ebowusim, Michael:

I believe that this team did well. In terms of communication, I feel it was really good. We had meetings frequently, for the discussion of the development of this project. Working on this project increased my level of professionalism mainly because we had to make documents like the URS, test cases and designs like the UML, ERD. I also got better at researching because some of the features we implemented required us to gain more knowledge on our own without the teacher, which helped me know more about working with databases and some other things. I learnt good teamwork is key in activities/projects like this, which I believe we had. Everyone had their point of view and different ideas were produced. I also got to work with people from other countries which was a nice experience. I realized that in every activity, there are strengths and weaknesses, and working as a group can help you discover what they are.

Osuntuyi, Michael:

Regarding the final product which we have delivered, I am happy with how much we put into the entire project, as a group we had little to no problems working together and our communication was extremely good. The main part we were lacking in from my perspective was remembering to document in some parts of the project and not accurately assessing how much we had during our final development cycle, which I believe will not happen in further years. During the entire project I have learnt a lot regarding OOD principles, working with clients, solving problems as a team, researching and proper work ethics. This project has really brought me to that point whereby I am a bit more confident in my c# skills, web app skills and presentation skills.

In conclusion working on this project was a valuable and enjoyable experience for me, especially working with our development team.

Smirnov, Kirill:

It was a great group work experience; we were mostly seeing eye to eye, so we were always on schedule without any arguments or complaints. I learned a lot more about coding especially class interactions and databases in C#, how to document the project and a lot of different functionalities a realistic and useful program should have. We had great teamwork, so everyone has done a part of the project, so the burden didn't fall on one person, we all worked together on a lot of parts, so we got a good variety of new knowledge. Due to there being a lot of new untaught features, I learned to search and study on my own better.

Moonen, Luc:

I think we as a group put together a good final product for the client. The communication in the group went well and everyone participated. But only in the iteration before the Christmas holidays we got a bit behind schedule and therefore needed to do a lot in the last weeks, what turned out to be a good learning point to still be focused on the iteration before the holidays and not going to delay your work. Also during the iterations, I learned more OOD wise and tried to use them as well in the project like the dictionary.

To get to a conclusion I think I learned a lot during this project, e.g. getting started with a big project, from what perspective I should look to the project and how to organize a presentation. As well as working with people from different nationalities. Finally, I think I gained a lot of experience from this project and learned a bunch of it.