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| **Process Report - SEP** **Group 2** |

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# Introduction

When we found out the classes will be separated this semester, we knew we’re going to stay together as a group. Although last semester we had some roadblocks while developing our app, we still found similar goals we strived to achieve. Our team at the time could be improved, even though we had an amazing setup where everybody had their own role and brought their own contribution to our project, we still thought we could use a breath of fresh air. While scouting for people that we could add to our roaster we were carefully analysing our new colleagues. One stood out from the start, which helped us make a choice quite fast. Tomas was a perfect addition to our group. His knowledge, determination, will for success and sense of humour made us understand that he is quite a catch. So, after carefully discussing it with the prior group members we embarked on our journey to success together.

We would obviously lie to you if we said that the project requirements were easy to grasp at the start. Terminologies like heterogeneous distributed system, security threat models or 3 tier architecture were foreign to us, and quite frightening. Despite our morale being down, we had a lot to learn during the semester while attending our courses and doing our homework regularly as a group, so we make sure everybody understands every detail, so we don’t lose anyone on the road. Sometimes we had to take a deep dive into the subjects ourselves and find a way to make everyone understand the concepts better by teaching them to each other which boosted our teamwork. We did ask for a lot of help from the supervisors as well, which led to us spending our time on important things rather than cluelessly debugging our code with no use. The methodologies that we used this semester played a major part as well. Scrum was a hit with amazing results, which probably meant we must use it again with a new tool this time. We decided to use Jira to assist us in keeping track of the roadmaps, burndown charts and sprints. Also, we tried a new technique called Scrum poker, which made us understand more about time management and how we can make our work more efficient. Unified Process helped us with our system and the teamwork we were exerting, and how can we forget about Agile. Last semester one of our teachers made us fall in love with the Manifesto for Agile Software Development, so we made sure to use it again! We really think that without the procedures enumerated above we wouldn’t be able to get a final project we are proud to present.

The countless meetings, the sleepless night while brainstorming together and all the mentor meetings we had at the start made us take the correct path to our goal which was ultimately finishing the semester with amazing results. We infused our code, proposals, and assumptions with the theory we’ve learned to get a promising result.

Despite our different characters and overwhelming personalities, we still managed to find each other’s strengths quickly. Everybody contributed with something new, and we went through with our grandiose ideas. In the next chapters we’ll be talking more about how our differences made us the unit that we are in Group Description, we’ll talk about how we started the project and how ChadList became our child in Project Initiation. Of course, Project Description will contain the process of making the project description, and surely mentioning Unified Process, Scrum meetings, Agile development, and artifacts in Project Execution. You will get everyone’s individual opinion about the project in Personal Reflections and we’ll highlight our supervisor cooperation in the Supervision Section. Conclusion will be considered as the icing on the cake where we will give a general overview of our opinions about the whole process of this semester project.

# Group Description

So, after the last semester we decided to stay in the same group. Sometimes it’s hard to find individuals who have the same goals in mind as you, but in this case everybody agreed on one thing, everyone wanted to have a great project, get a desirable grade and have fun while doing it. We consider our group very diverse, mostly because we come from different backgrounds, countries, and everybody has a different personal profiles, which makes everybody responsible of some of the characteristics in the group. We are proud to announce that even though we were so different last semester, at the start we felt that we were lacking a creative mind that would bring new ideas and implement them masterfully. That’s where Tomas came into the picture. He is very different from us. He may look like he isn’t very fun to be around, but if you get to know him, he is an ingenious mind that loves teamwork and excels in the tasks he dedicates himself to. So now with 5 members we chose to jump headfirst into our tasks.

## Personal Profiles

As we mentioned last semester we are very different when it comes to character types, SCRUM roles were quite easy to choose. First, we saw the amazing job our Green Matas did last semester as a SCRUM master because of drive to nourish relationships with people, his capability to make harsh decisions when needed, and friendliness. It was a clear pick and we’re happy of our decision. He was protecting the team from the Product Owner while fostering communication, maintaining the atmosphere as friendly as possible, and meeting facilitations. When talking about the Product Owner we had a harsher time. We were happy with what our Blue Dan did, but we challenged ourselves to find a new type of Product Owner that would spark some new ideas or points of view. That’s why we chose our Yellow Dragos. He is enthusiastic which would put much higher goals for us, something that made us work harder, he is persuasive which meant that our SCRUM master had to work a lot more on protecting us from his wraith of new assignments we wanted to give us, but mostly he is sociable, which made us think of a real life situation where your Product Owner is very sociable and knows what he wants to do with his idea, but he needs people to achieve his goals, someone who would be very happy to start working, and very fast with his unpredictable decisions.

As always, we will back up our claims by showing our personal profiles a little lower. We learned a lot from last semester. After having some problems with issuing authority, lack of motivation, influence, and fear of appearing weak, but we are proud to finally say that we worked on our weaknesses, and we consider our team to be perfect. When it came to the issuing authority, last semester we learned that if we showed some boldness and some group members tried to seek status which solved our problems we would succeed. When it came to our fear of appearing weak, lack of motivation, and lack of influence we usually solved it by talking things out and trying to find a solution all together, because that’s why we were assigned as a team, to go through hard times together, not to fight on alone. This meant enhancing our productivity and teamwork every time we went through these things, and that led us to describe ourselves as a total unit.

We consider that we can describe our team with one word, which is harmony, because we complement each over. We have Dragos who is a very Yellow person, always enthusiastic and sociable, happy to help and dynamic, we also have Matas, who is encouraging with everything, he cares about everyone because he values our sanity, always patient and relaxed with every little thing he does. We have Dan and Tomas that are precise, formal all the way through, always questioning and interested in the process, and lastly we have Chiril, who even though represents a lot of the Blue characteristics, he has enough Red to be flexible into that role. Always competitive, strong-willed, purposeful, and demanding from his peers, which leads to the authority we needed so much.

We learned from last semester and put some strict boundaries when it comes to laziness and time frames, which made our group prosper. The personal profiles were a very big turning point in our relationships in the group, because they showed us who should do what and who we can rely on for tasks like leading, creativity, uniting people, and enthusiasm filling.

In a nutshell, we really think we did a great job with SCRUM roles, assigning group tasks and matching everyone based on their personality type by looking at our results from last semester. We consider that our hard work finally paid off, and we can openly say we are all living in harmony.

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| Matas Armonaitis | Dan-Sebastian Ceapa |
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| Dragos Daniel Bonaparte | Chiril Luncasu |
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| Tomas Gres |  |
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## Cultural Background

We talked a lot about this one last semester, and we think our opinions didn’t change this semester. A big part of our group is the fact that we have the same cultural background, all sharing a common history, the same community back home that shaped us into what we are today, and of course, the fact that 3 of us have the same nationality, which lead to a better understanding of our needs.

First, because our cultural background is extremely similar, and we’ve spent more than a semester together, we managed to understand everyone pretty well. No new challenges have been met, which we pride ourselves with. Another thing that is worth noting is that we didn’t have any conflicts whatsoever. That boosted our confidence a lot, hence we know what everybody looks forward to when starting the project. Despite needing someone last semester to act as a human translator sometimes, we went over all the harsh topics last semester and we caught our new member up to speed, which saved us a lot of time and effort when it came to people being mad and not understanding themselves and their feelings related to the task put in front of us.

We tried to make sure our similar cultural background doesn’t get in the way of our understanding the other cultures, or the supervisors that might not have the same values as all of us. Tomas really helped us with this, he comes from a slightly less harsh/strict country, and he was the fresh look we were looking for last semester. On one hand he was coming up with ideas of how to do things differently and we were psyched to implement them and try them out hoping for a different result. On the other hand, a lot of the ideologies we have already proven to work in the group were met with a warm welcome by him, because he as well thought those are great skill expressions and implementations.

As we mentioned last semester our groups most important dimensions were Disagreement, Communication, and Leading. We can’t stress enough how much we love being direct while communicating. When we disagree, we are very confrontational, which leads to fast results and accurate expectations. When disagreeing in our group we base everything on facts which are represented in an open manner. When communicating to everyone we mostly use a low-content approach, which enhances productivity because we don’t waste time on small details we can figure out later. Being direct and having a low-content way o speaking is very desirable way of explaining yourself in our group, so we cherish it. Lastly, but not least, leading is the centre piece of our communication. We love the egalitarian approach where everyone has a say, where everyone accepts new ideas and where everyone can speak up when needed.

To sum up, we are a team that comes from similar cultural backgrounds and we all cherish some similar rules when talking to each over. We define ourselves as egalitarians that can easily do a task when met with a low-content direct type of speaking.

# Project Initiation

Our group was formed out of the friendship and comradery towards each over. Dragos, Matas, Dan, and Chiril already knew each over and were very happy with how they worked together last semester they decided to work together again. Chiril saw Tomases potential and tried to add him into the group even before the semester started. Because Tomas had a bad experience with his group from the last semesters, he decided to join Chiril and his group on their journey, becoming a part of NBNP.

The name of our humble group is NBNP. It stands for “No Brain No Pain” – which is an inside joke that we designated as the final name of the group. The friendly, fun, happy atmosphere always allowed for jokes between our group members. We a lot of meetings outside of working hours as well, making sure we are bonding as friends as well, not only as colleagues. As we said last year we used a lot of our brain power for this project, so the name should be taken

as a joke!

Our customer requested a system where users can buy and sell things they do not use anymore. Users that want to buy items can go onto our website and pick something that they like, talk directly to the seller and maybe bargaining the price, making it a lot cheaper than buying a new one. Also, we should mention that we tried to follow one of the UN goals called Responsible Consumption and Production which is evidently implemented by us trying to reduce waste because most of the time “one man’s trash another man's treasure”.

If we talk about our research we can say that we learned from last semester and tried to do a lot of it. All of us went on their favourite platforms that resemble our project and then documented everything while looking for common features. We started using UP at it’s fullest by doing Inception early on with all the data that we accumulated. We tried to make sure it fulfilled the requirements and our expectations. We didn’t forget about the SCRUM methodology that was given to us. We really liked it last semester, it made things so much easier and accessible so we decided to keep as close to it this semester as well. First, our Product Owner and SCRUM master were always talking to each over and over. When they would find compromises the SCRUM master would tell us what exactly we have to do which made the tasks that much easier. Our burndown charts show that we progressed confidently through our tasks. We tried our best to maintain a good communication with everyone, find common expectations and finish Inception without any conflicts.

# Project Description

This time again, we are proud to say that our Project Description was a smooth sail. We are already experienced with working with a big project and a lot of tasks. Report Writing is already a stable for the 3rd semester already so we are happy that at least something remained the same during all the semesters, where we didn’t find anything new. Learning from the mistakes from last semester was easier due to the harsh mistakes we made that blocked our way to success, we really took those lessons to heart and tried reimagining the report based on hard evidence from last semesters where our documentation was actually right.

We were happy with what we’ve written down as a first sketch of our Project Description, and we finished it quite early, at least we expected a project like this to take much more time than we took, but there is a saying that states “your eyes are afraid, but your hands do” with which we can entitle our first journey into the Project Description sphere. Next, we had a mentor meeting where we were told our Project Description had some small flaws but overall it was a success. This boosted our morale, because ultimately, we thought that we’ll have the same headache with it as we did last semester. Last semester taught us that having vague expectations yet somewhat defined goals will get you far. Of course as we mentioned many times before SCRUM roles played a huge part here as well, while the Product Owner was very excited about the project, our SCRUM master tried to keep him in touch with reality and the actual things we can implement in such a limited time. Our supervisors made sure we’re going down the right path which enhanced the developing experience. Before we knew it the Project Description was a success, we developed a UN related, Product Owner appreciated, SCRUM master approved, and supervisor liked piece of information that set our goals clearer and our expectations that were quite vague to something more prosperous.

Agile Manifesto

Last year process report