

ViaFit Fitness centre

SEP1 S18 – Process report

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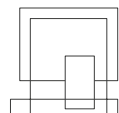
Simon Tirsgaard, 237434



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Supervisor: Mona Wendel Andersen, Allan Henriksen

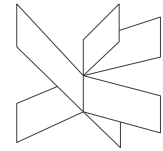


VIA University College

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Software Engineering

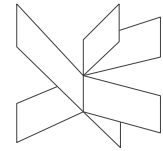
1st semester, Spring 2018



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2 Introduction

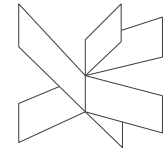
ViaFit is a small fitness center that is focused on providing good quality services. This makes the fitness center have loyal members that tend to stay on board for several years.

The fitness center to this day has all the member/instructor information on pen and paper. Due to the physical space required and high maintenance (the papers have to be always placed safely and taken care of) the fitness center is upgrading to a software system that will store all the information required.

(members/instructors/schedule). At this point everything will be stored offline on the computer at the manned desk in the gym. Members can then either sign up via a phone call or when they are at the gym.

The system needs to be easy to use with a standard layout and a search function, payments are handled through another system which is already implemented. Additionally, VIAFit's website is old and outdated, a new website that can be visually pleasing and show information about the center and its trainers is needed.

The purpose of the project is to enable the fitness center to keep track of all the information required. Have fast and easy access to it at all times so it can increase the efficiency of client relations.



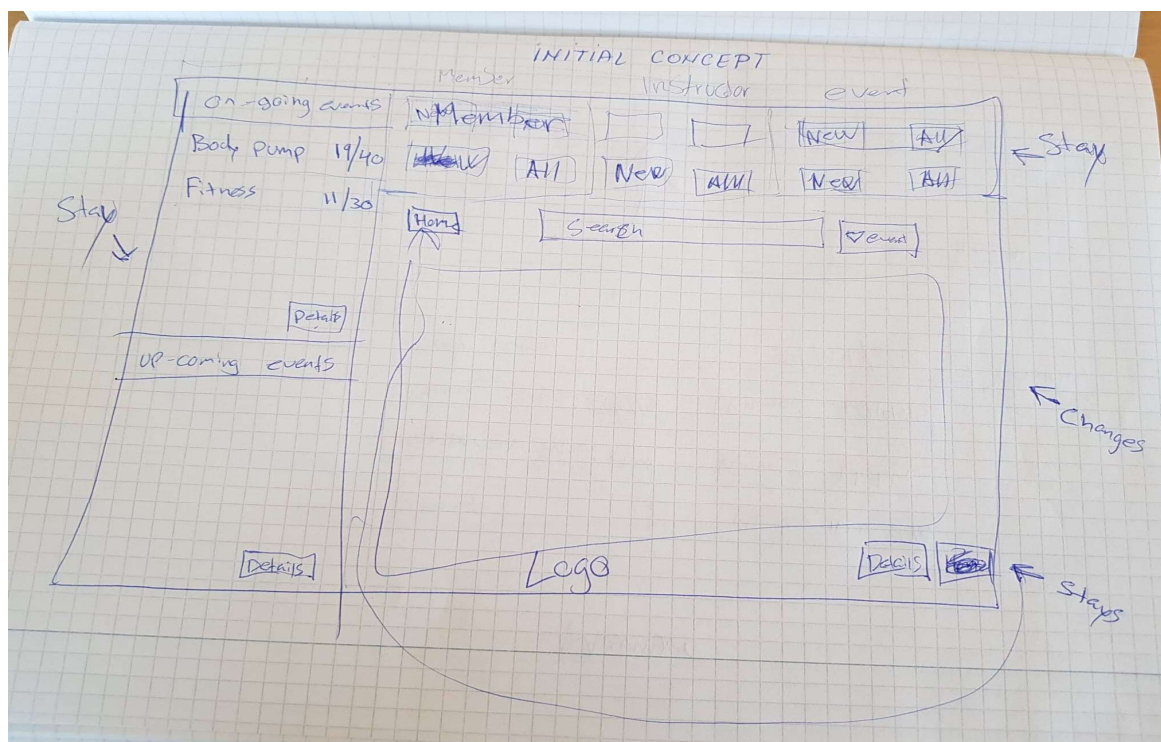
28/05/2018

Initial Concept of the Application

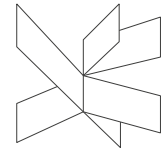
Planning and organizing how we can approach the project and the possible problems we might encounter.

Design of the UML Diagram.

This is a first draft of our vision for the application.



After discussions and everyone bringing their own point of view we decided to make a few changes and take a less complicated approach in order to make something that was visually appealing.

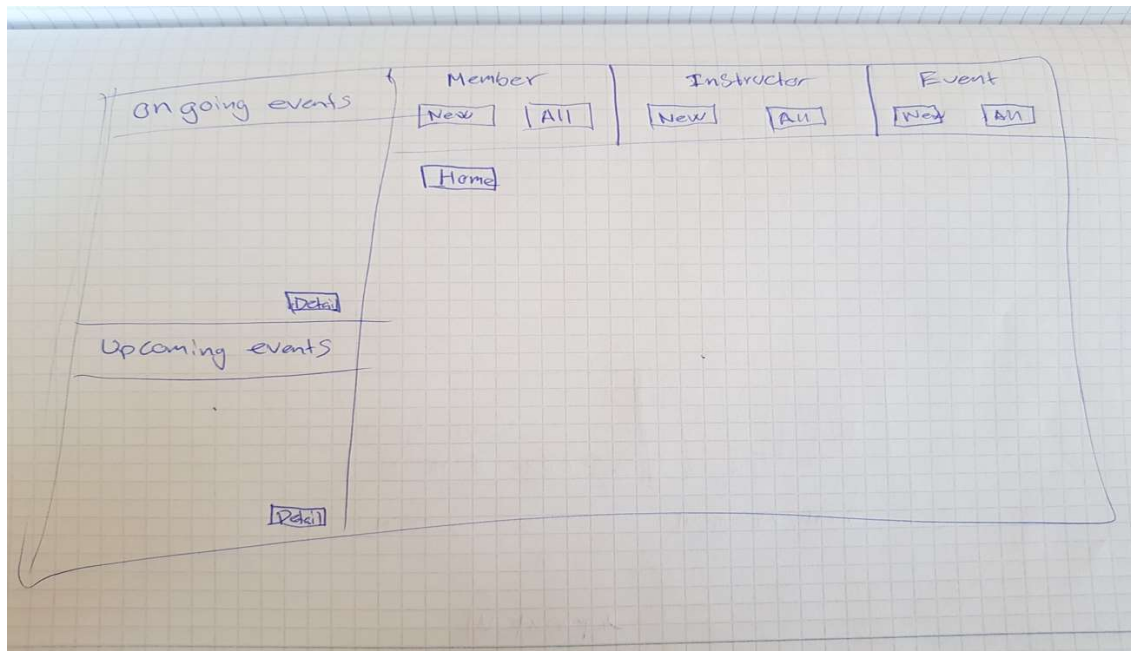


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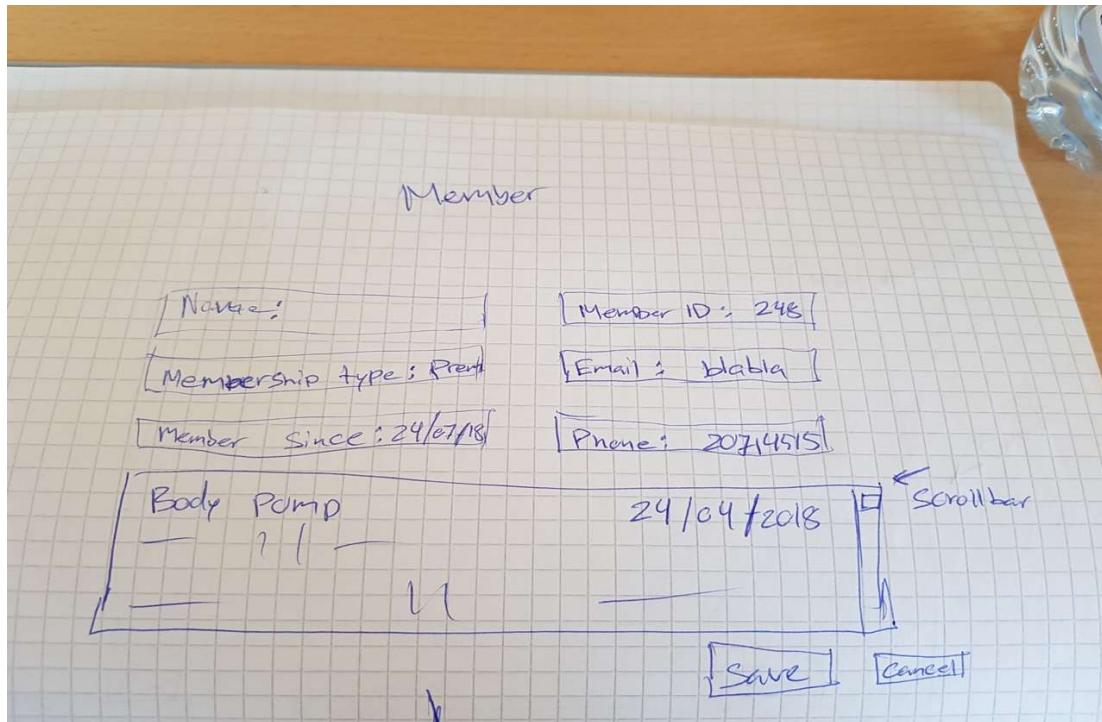
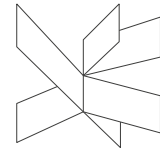
Continuing the design of the UML Diagram.

We started reducing the numbers of panels in order to make it easy to understand and use. We decided on the position and plan of every button so we ended up with this.

The second view of the app with a better and more focused approach.



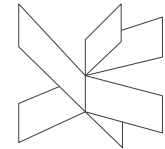
Next step was creating the layout and look for the panels that allow the user to edit or add information about the member.



30/05/2018

Finalizing the UML diagram.

After we agreed on the look and layout of the member panel the next one was the instructor.



Instructor

Name:

Instructor ID:

Qualified for:

Fitness ☐

Body pump ☐

All classTypes

Weight lifting ☐

Pooling ☐

Taught events ADD

	11		<input type="checkbox"/>
	11		<input type="checkbox"/>

Moving on to the event panel where it's needed to add or remove instructors, edit the number of members and the event information.

New event

NAME

CLASS TYPE

NEW CLASS TYPE ☐

ADD INSTRUCTOR

ATTENDING INSTRUCTORS

Remove instructor

SAVE

EVENT INFORMATION

MAX MEMBERS

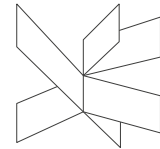
START DATE D M Y

END DATE D M Y

START TIME H (HOURS) M (MINUTES)

ATTENDING MEMBERS

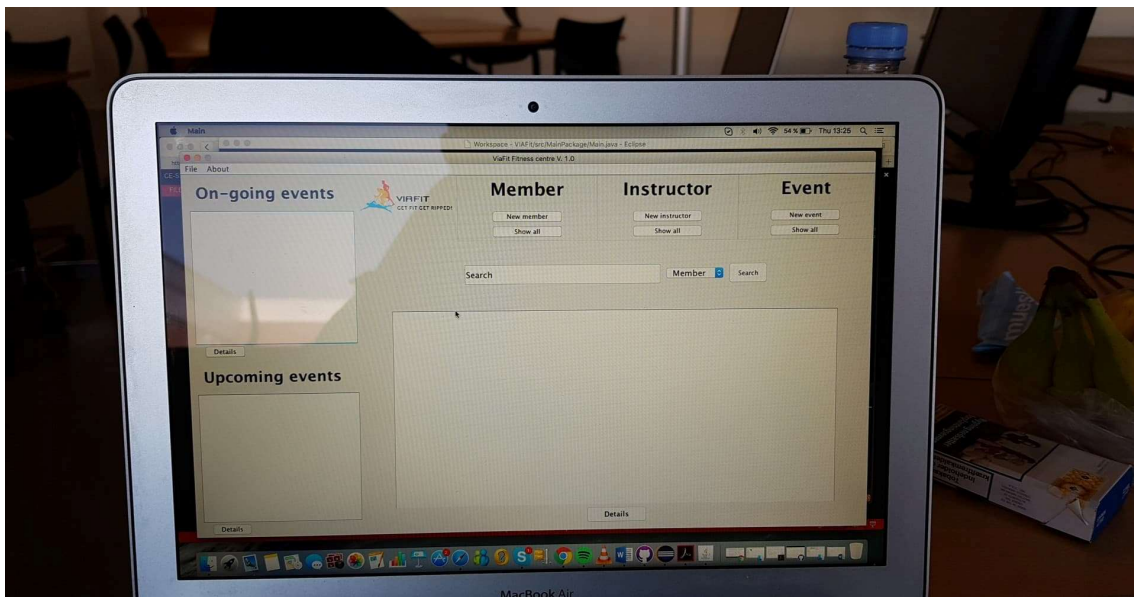
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31/05/2018

This day we worked on bringing our UML Diagram to life and combining the code with the GUI (Guide User Interface).

After putting it together this is our initial look:



01/06/2018

Editing methods and doing what is necessary to connect the code with the GUI and to polish it.

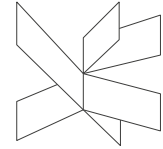
02/06/2018 -> 06/06/2018

Intense work on polishing and fixing the bugs in the code that appeared due to our constant editing and improvement.

Working on the process report/project report, taking in the account all the information necessary.

07/06/2018

Editing, grammar check, final reading of the project/process reports .



3 Group Description

The first question what our group received was: “Who is the leader of the team?” We did not know how to answer that question at first, later we found out that we do not have a particular group leader, the leader differs in every task we take and make. This way all the group members feel equally important when doing tasks together.

The group formed pretty naturally in the start of the semester which made us very good and productive team. We are four internationals and one local guys in the group.

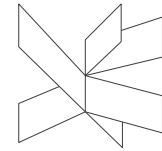
In our team we have:

Andrei Mungiu from Moldova. He has been living and working in Dubai for a year. In his free time he manages and builds bitcoin mining rigs.

Ronalds Andris Kalnins from Latvia. He is the gamer of our group. His free time goes into games and naps.

Eric Volmer from Estonia. The fit member of the group, in his free time he is a fitness trainer.

Mihai Draghiciu from Romania. The joker of the group who in his free time bakes cakes and tests them on the group members. So far so good, still 5/5 alive.



Simon Tirsgaard from Denmark. The localist who is driving in Danish Superbike competitions and has been the champion two years in a row.

Simon – VCM (Value Chain Management). Experience in managing data and customer support. Due to the type of education he has good knowledge involving client relations and business economics.

Ron – Architecture- Knowledge involving math and physics. due to the type of education he is focused on bringing solutions together and making them work.

Andrei – Business and Economics knowledge on creating and overviewing a business model, the life cycle of a product how it grows and evolves and how to obtain maximum profitability from the Project.

Mihai – Marketing Management – good knowledge involving client relations and Digital Multi-Media. Focused on commercializing the product.

Eric – Automotive Technology-knowledge involving math and electronics. Good skills in adjusting machinery and building it from scratch.

4 Project Initiation

Group reflections on the project initiation phase.

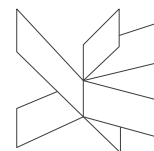
As we got information about what our project will do the group started coming together putting up ideas and voting for the best suitable outcome.

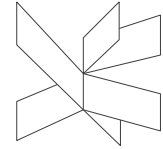
Due to our various background and experience we would often switch from one subject to another making it a bit difficult at first since we couldn't focus properly on one idea at a time.

As the days went by we slowly started coming together as a group and the project started taking form. We went through the planning phase and implementation and slowly made it work.

Reflections as a group, struggles with the initial part of the project due to different views but in the end, this helped us organize and plan everything allowing us to work properly.

ViaFit Fitness center – Process report





5 Project Description

Delimitations and various difficulties we encountered.

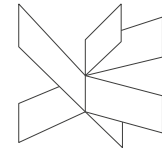
The project description would be better if we wouldn't be limited by the lack of information and by the requirements. We would need more information or the possibility to inquire more about the product.

More meetings with the client would allow us to get more information and get a better understanding of the issue.

Helpful for structuring our future actions goals and work schedule.

As a group we started figuring out and planning our next moves involving the project itself. It was a good opportunity to structure our ideas and see where we stand as a group. It was nice to see us coming together, merging our ideas, getting to understand GitHub to share and merge our files.

The project description was a good opportunity for us to make a work schedule and it was interesting to see how people think and how they process a task. In time we managed to communicate and share our ideas, thought process and work mode.



6 Project Execution

The project execution started off well. We started doing the ASTAH diagrams and spent some time discussing on what goes here and there.

First diagram was the UseCase where we started discussing about the “actor” and what roles does he fulfill and started adding every action and decision one might do. We started adding all the possible events and actions that the “actor”/Staff will have to take in order to fulfill his job.

Next was the Class Diagram where we started implementing the classes we thought where necessary.

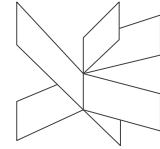
Initially we started with the Event class and slowly built on that adding Instructor and afterwards the Member class. After we finished initializing these classes we realised this wouldn’t be enough and more classes started showing up.

In the beginning we having fewer classes seemed fine, we told ourselves “Look, we don’t have to many classes, this will be easy” but after a few meetings with Allan and more discussions between ourselves our 4 classes turned into 13 classes with various methods and ideas that we wanted to implement.

Having Andrei and Simon with more experience in coding made the creation of the application itself rather easy since every idea the group came up with it had the technical follow up from them and we could understand if it is feasible or not to add it.

After the initial phase of our ASTAH file was done, the coding part ensued where we split the work between each other taking classes suited to our skills and started working. I personally learned how to work better with the code part by adding comments to every method and reading the comments from our group members in order to understand what is happening there.

Work seems to be going well, each of us has their objectives and the plan made out. Each of the member is doing their job be it part of the code or the report part.



7 Personal Reflections

Mihai Draghiciu.

From the moment this first semester started we all sat in close proximity to each other, seems like we knew the group would get along. First weeks go by and we manage to bond via jokes, life stories, partying and as time goes by we are required to make a group.

Everything is going well, each member can say their point of view and we decide on a solution via vote. Andrei and Simon are more experienced in development but they are always helpful and tell us to always “ask questions regardless of how stupid you think it might be”, “better be stupid now so you can be better tomorrow”.

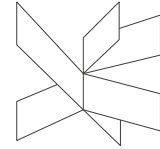
From my perspective our group formed by itself before we were required to make it due to our open personality. This makes our group meetings fun and interactive since we don’t have a so-called leader that says “we are doing it like this period” everyone has something to say and share.

Because Andrei and Simon are more advanced this makes me feel sometimes like I’m falling behind and like I cannot catch up but they are always there to help.

Considering how many stories I have heard from friends and other colleagues regarding their groups like “our group doesn’t meet up”, “we do not communicate”, “one or more members of the group don’t pull their weight” I consider myself really lucky to be part of a group that knows when to have fun and when to put in the work required.

Our group members are always making fun of each other in order to lighten up the mood, sometimes this can get annoying but we know this is all in good fun.

In the end I am happy I found a group like this and I am looking forward to see the final result of our teamwork.



Eric Volmer

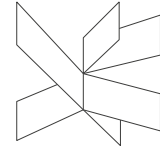
The first days passed in the class pretty quietly for everyone. For me luckily in front of me was sitting Andrei. One day we started to talk about bitcoins and all other computer things. Then Ron joined in with us on the topic and because Ron was already talking with Mihhai and they both had the MacBook issues together they fitted perfectly into our team. The story how we got Simon into our funny, all the time laughing team was through a game called RuneScape which me and Ron played. One day we saw him playing the same game, from there we started talking more and more and then the dream team got together.

The main thing what I myself like about this group is that everybody is contributing as much as possible even if the level for us is not the same. This is something that makes this group special, we support each other, if somebody is fallen behind, we kick him till he is on the right track again. That is how it has been developed right now.

The group contract says that everybody has to contribute and work hard. This is exactly what our group is doing. All of us are contributing the work we are putting into the project and overall homework and exam preparations. The support for each other does not only stay inside the university doors. We help each other outside school time with mostly everything also.

We have a point in the contract that we need to have consistent meet ups with our team also, this is also one thing that we do not have any problems with. Everybody contributes into those meetings and also, we come up with extra meetings just to do things even better and more.

The motivation for our group comes from everybody. Seeing how others succeed in code, web design, other kind of achievements in private life, that is the thing what makes us more motivated to push harder and forward. Also, I have to add that what keeps our group motivated and healthy – is the humor and fun we have. We have developed our own „inside jokes“ in the group which is only a good thing to have in a team with who you work every day.



Ronalds Kalnins.

From my point of view this semester has been weird to some extent. We started off by sitting next to each other and cracking jokes laughing all the time. After a while I started seeing what I would think of my future group members how we talked and got along.

When we were required to form a group, I knew this would be our group a “slow “Estonian, two thieving Romanians and myself. (Simon the Dane was a late acquisition of our group who just happen to play one of my childhood games, so that was good conversation starter).

After we started doing the requirements for the various tasks and upcoming midterms our group started to bond and we would always treat every problem with a smile and a lot of laughs. After some time passed and the project timeline came closer and closer we started planning and organizing how to do it, who gets what.

Our luck was with Andrei and Simon, since they had so much more experience and always explained and helped us with our homework/issues involving SDJ.

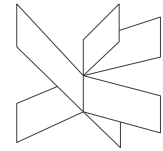
The project worked out smoothly, meeting every day dividing the tasks and working hard. From my perspective I think we have a good project, the fact that we met and worked almost every day should be a good sign of passion.

Now I am looking forward to finalizing and polishing the project to get it in a good presentation shape.

I consider myself lucky to be part of a group like this, where talents and creativity comes together to make some good projects and ideas. I hope we will stick together till the end, not just for this semester but all the way.

Andrei Mungiu.

I came to the University with a thirst for knowledge and information involving about Software Development. Luckily, our SEP teacher Mona initiated the



group work and I sat down next to some guys and soon enough I found myself engaging in conversations with them on topics taught during the lessons.

In no time we managed to get along well and formed an initial group. In the course of the semester I noticed how we were all progressing and how we were actively pushing to understand the main aspects of this education. My drive for IT pushed me to self-study about programming a few months before I decided to join the course at VIA. This helped me improve my confidence in my study capabilities and further motivated me to strive in becoming one of the best IT Engineers in Denmark, which is my dream.

I would always try to add “spices” to every exercise we had to do, and my team would make fun saying “We have a “Chef” in our group”.

The project work had a great start, each member pulling their weight and always asking for help if they required it.

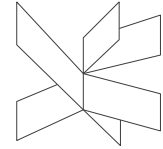
We don’t have a leader of the group because each of us comes up with ideas or suggestions and we always check and see how they can be implemented. What we do have is clearly divided tasks among members which is something we decide about together and members who monitor the progress of each task.

Besides having the goal of fulfilling all tasks as a team, we work together and make sure everything we add and do is accepted by all of us, our highest goal is to become a great team which will slice through future semesters tasks like butter and work on something bigger after we graduate. I am happy to be part of a team where people strive to be better and improve.

Simon Tirsgaard.

I was not part of the group from the beginning, I did not sit around them and sometimes I would not be at school due to my hobby.

When the request to form a group was presented to us, I was without a group so looking around I just seemed to gravitate towards them.



They were playing RuneScape so that was the first common ground, we clicked and got along well.

They were nice and accepted me without any issues so suddenly I just became part of a group that is fun, jokes a lot and tends to annoy me sometimes (Ron). I do like the fact that they work and are trustworthy people, if they would request help I would always help them because we become stronger as a group.

The project phase started well with the project description and the annoying things that came with it like being limited by the information and being forced to write a lot of things but it all worked out well.

We divided the workload between us and started working every day on the diagrams, code and the reports. From my point of view, it's good to have people that will work and put in the time required to fulfill the requests.

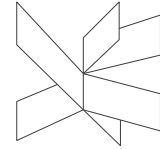
I am happy to be part of this group, happy they accepted me without any issues. Am looking forward to work with them in the future.

8 Supervision

The cooperation with our supervisors has been very good and useful. In the situations where the group did not figure out the solution, our supervisors helped out to solve the problem we had in our project.

What was less successful? Explain why.

Thinking for the customer came a bit more difficult for us since our main focus was on the application and everything seemed “easy to understand” from our point of view.



We used our supervisor help especially in Java codes, where we were trying to figure out how we should write the code in order to have what we were expecting it to do. Also, we mostly every day went to one of our supervisors to ask if everything makes sense and how we could improve our diagrams or codes overall. This way we knew that we are on the right track and are not doing pointless work.

The group handled the cooperation and communication very well with the supervisors. They were always there when we needed them. Also, one of the great aspects of our group is that we are not blank code nerds, we like to have fun and relax our brains also time in a time. Which takes me to the communication part with our supervisors that we could always talk about other topics also not only the code and project. This makes the flow and mood much better for all the group members to work hard after that random talk.

9 Conclusions

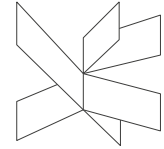
Our group formed itself by luck, almost all of us sat in close proximity to one another and got along well.

This made the group work come naturally, we had chemistry and we made a clear rule to respect our contract. We had a schedule to respect, and due to this everything worked out for us since we didn't have issues regarding the amount of work for each of us.

We always helped each other and tried to finish everything in time, listen to each of our member's suggestions, voted for the outcomes we saw best suitable.

As a list of recommendations:

- 1) Always work together as a group.
- 2) Respect the rules you set as group from the beginning.
- 3) Listen to everyone, decide on solutions as a vote.
- 4) Respect each other and make valid points when arguing about solutions.



- 5) Divide the coding part more so we could help out a bit.

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