**Food and recipe assistant  
Process report**

**Students:**

Patrik Kucerka (260026)

Patrik Ihnat (260010)

**Supervisor:** Michael Viuff

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# Introduction

For this project it is necessary to say that we as a group were working together before. We knew our strengths and weaknesses based upon our previous work. It was easier for us to discuss the project idea, our approach and what should be our structure who should handle which tasks. We started doing our initial documentation in our previous semester where we had dedicated subject just to do the preparations for this project. This gave us a clear vision of what are our goals and which of those tasks are going to be the most challenging.

At the beginning of our last semester we had our first meeting with supervisor where he evaluated our initial documentation and we discussed the whole project with him. We had to do some minor changes in our documentation but overall, we were given a green to start working on project.

We were up to a good start considering that we had everything approved and we knew how to manage our workloads. In this project period we concentrated on SCRUM and Unified Process. Which was useful and important for us to keep track of our work.

During this project we learn a lot in previous semesters we were working with scrum and “U P” so it was easier for us to apply them for this project. There were things which should have been done in better way and we still have much to learn but considering our effort which was put in this project we are satisfied that we did our best. We managed to learn new knowledge which is not only technical but also things about our friendship.

# Group Description

We as a group became working together back in 1st semester of ICT engineering. It was occasional work on different assignments and even semester projects which achieved good results. Our work methods differ a lot but, in the end, they make a good synergy. That and many more are the reasons why we decided to work together on our final project in VIA.

The team consist of two different personalities, but in the end that one essence which connects us is hard work and constant mindset that we want to create something better in every project we make. There were and are hard times in this team when miscommunication happens, but it can last only for few minutes and every time we can be back on track in matter of minutes. This is good asset to this team since there is no such a distraction.

In this project we decided to use certain technologies and work approaches which are quite familiar to us therefore it is a great asset. Since we had this knowledge we could perform on better level and our time efficiency was almost perfect.

Its is important to mention that in this project SCRUM was used to manage all our actions during project period. There were some complications since we could not meet so much and discuss face to face due to COVID-19 lockdown but in the end we managed to still stay on track and finish project.

My name is Patrik Ihnat, I came from the same country as my collaborator (Slovakia) and I’m studying ICT engineering at VIA University College in Horsens, Denmark. I’m 23 years old and currently attending my last - 7th semester. Before I came to this school, I was attending Gymnasium where in my last year of studies I took programing as subject. Therefore, I had an idea about what I’m going to study here. I managed to quickly develop interest in application programing and databases, so Cross media specialization was right for me. In our 5th semester we had internship, during that period I chose to go back to my hometown and apply to position of SAP ABAP/HANA Developer in company named Swiss-Re. I never had experience with this programing language, but I managed to quickly pick up the skills. This experience gave me such a great overview how development is being executed in big companies, where many teams work on one product.

My personality is quite simple, I’m open and expressive person. I lack motivation, but I have a pretty good overview of my tasks which must be done. During this project I realized that motivation is very important and I’m glad to say that I managed to improve in many ways.

Patrik Kucerka

# Project Initiation

This group was formed intentionally. We know each other, speak the same language and share some interests. We knew that if we work together, we can bring this project to end without any personal difficulties. We formed the idea of this project randomly, based upon our small research done on the internet we quickly came up with idea of food assistant. We wanted to make application which can be accessed on different platforms because nowadays the market with mobile phones and operating system is so wide that we wanted to make sure that all our users who wants to use the app won’t be affected by compatibility issues.

Based on all this information which we had in our heads and later in process also documented. We realized that we need to perform prioritization of our tasks to ensure that the project will be finished within the given time. We divided our goals into user stories and prioritized them by giving them “weight”.

In the end we had a clear overview what and how to perform during this project. We expect us to be a quite short on time, but we managed to overperform and finish before we ran out of time. Our schedule turned out to be well planed which in retrospective way gave us good feeling that we overperformed our expectations.

# Project Description

For content see Appendix 2 “Process Report – VIA Engineering Guidelines”.

# Project Execution

## Sprint 1

Instead of sprint 0 which was done in previous semester on BPR1, we decided to continue with numbering from 1 since the preparations done in sprint 0 had to be corrected and additional stuff was added into our project description. During this sprint majority of our supportive documents were created or corrected such as like timeline with milestones, product backlog. Since there were only 2 of us working on this project collaboration was done via personal communication and notes. At beginning we decided what approach we want to have in this project, so we went with SCRUM and Unified Process it was easier for us to keep track of what happened and keeping us on right path when we had scrum meetings. During this period, we also had small issues with Patrick’s I. IntelliJ where gradle which was downloaded from GIT hub was not cooperating.

We used this time to focus on our Project and process reports structure, so we began to write down what technologies we will be using and what needs to be done database vise. Overall basic database design was done during this sprint when we took MySQL editor and executed basic structure. At the end of this sprint we held meeting with our supervisor which was used to make sure that all our documentation and project description is correct, and we can proceed further without any more corrections needed.

### Sprint retrospective

This sprint we made our final version of basic documentation, we managed to do some extra small task in this sprint which were planned to be done in sprint 2, diagrams for database and use case diagrams were added to this sprint but were not finished, Because of that we saw that we realized that we need to strictly follow plans for sprints so we won’t overlap with upcoming sprints plans. After all we decided to redo our planning for upcoming sprints.

* Patrik I.: This sprint left me with some great expectations since we were on tracks besides some small adjustment, we managed to do some little extra work than planned. But since it turned out that it was not good for our overall plans, I thought that we may be too ambitious, so we changed our whole approach towards the project. We found a good balance between workload for the sprints and same time keeping track that we were making some progress. Since we managed to do so much documentation vise and some diagrams it left me with great feeling of optimism.
* Patrik K.:

## Sprint 2

# Personal Reflections

## Patrik Ihnat:

When I look back at this groups work, I think I can say it was awesome experience. Our process and decision making were on point we managed to stick to all our goals and even add some. Since we knew each other for quiet some time we knew what to expect from each other. Therefore, our group contract was short but on point. The project idea credits need to be given to Patrik K. since he came up with the basic idea of food assistant, after bringing up this idea we spent some time together brainstorming what should be involved in this project. I would like to mention that our group was very good in cooperation, if there was some technical issue or knowledge hole, there was no problem for us to help each other. I like working with Patrik K. he is wise and has great overview of projects which he is working on. On the other hand, I’m more into planning and execution, so we make a good team. I have learned that asking him question can result in some strange conversation, but he will always help or answer if he can. During this project we learned even more about ourselves, which was quite surprising since we know each other very well. Based on this project I can say that it was great experience, but I must work more on my approach to projects, so I expect that in future I will be more open minded and responsible.

## Patrik Kucerka:

# Supervision

Michael Viuff was our supervisor for this project, even though we did not have any previous experience working with him, he showed to our group that he is helpful and always can answer our questions during the project period. He managed to help us stay on track and focus on tasks which were most important. His previous rich experience with bachelor project was really helpful during the creation of supportive documents and diagrams. For example, he provided us with templates and examples of the documentation which was needed to keep track of our progress.

We used Michael mainly to review our documentation and give us feedback since we were a bit shy to ask for programming part. Michael tried to help us to keep the high standards of bachelor project to achieve our desired quality of work. We used all the feedback from Michael to improve our documentation. We as group are very happy that we had chance to work with Michael. Without his guidelines and help with this project, some of the project would look very different.

# Conclusions

At the end we can conclude that the work which was done on this project has made many improvements in our approach to projects and teamwork in general which will appear in future. This improvement was by no means the greatest since it was our biggest project during our studies on VIA University College. During this process we managed to write down some of our key recommendations:

* Good initial preparation with overall understanding of project
* Helping each other sometimes even without asking.
* Being honest about work which was done.
* Work as a team or better as friends.
* Feedback as much as you can to give your thoughts to your team.
* SCRUM and unified process helped a lot.

When both of us look back to this project we see it as a success. The comparison between starting point and finish feels like we learned a lot, especially importing concepts of planning and execution into our personal lives so we can manage ourselves better. Since this was our last project at this university, we are really grateful that we had one last opportunity to work together.

# Appendices

*MoSCoW, 2015. MoSCoW method. [Online] Available at: http://en.wikipedia.org/wiki/MoSCoW\_method [Accessed 18 June 2019]. MOSCOW - reference (*[*http://en.wikipedia.org/wiki/MoSCoW\_method*](http://en.wikipedia.org/wiki/MoSCoW_method)*)*

*Schwaber, K. and Sutherland, J., 2019. The Scrum Guide. [Online] Available at: https://www.scrumguides.org/scrum-guide.html [Accessed 21 September 2019]. SCRUM - reference (*[*https://www.scrumguides.org/scrum-guide.html*](https://www.scrumguides.org/scrum-guide.html)*)*

# Appendix A - Group Policy Contract

Group policy

Each group member is as important as the other and every effort made towards achieving set goals is of high value. Therefore, the group is expected to function professionally with members that are committed and honest in carrying out tasks.

We will meet every day of the week from 09:00 to 16:00. This will help eliminate the communication weakness. Before work proceeds, we will be having update meetings at 09:00, where each member presents briefings on the status of the tasks given at hand to the group.

Rules governing our group performance, were as follows:

1. No gaming.

2. No social media.

3. no more than 5 coffee breaks a day

Each member is responsible for his work, tasks and coming up with agendas for the meetings.

Punctuality is essential always for all group members. When a member is running late, he should inform the other group members before the meeting time and if he does not inform other group members a warning will be given to him.

All updates concerning the group tasks and log processes will be monitored.

Decision making will be made based on a mutual discussion involving all group members and everybody can speak their mind if they want to be heard or make a positive point. But if no mutual decision is met the member responsible for that task has the last say.

During working periods, it is important for the group to have coffee breaks and talk about other things to refresh our minds.

As individuals in a group we have different strengths and weakness. Therefore, we cannot expect each member to contribute the same amount of work as another member would. Output is determined by the task at hand for each member. But if one member is done with his task, he must help any member in need of help with completing the task.

If any member consistently displays indifferences towards the project goals or tasks in general, he would be kicked out of the group.

For us to prevent our group from falling apart we must behave responsibly during the project.

Patrik Ihnat

Patrik Kucerka