

Module 5- Computer Systems (2024-2025)
Project

UNIVERSITY OF TWENTE.

TEAM CONTRACT

Project Name: WasteWatch	Team Members: Maarten van Dort, Rein de Boer, Alexandr Gidikov, Ivan Mandev, Darius Luca, Danil Badarev
Team ID: 25	Mentor(s): Dany Shalhoub, Vivan Biju

1. Team information and their roles (What are the convenient Belbin roles for you? Mention at least 2 roles)

The Belbin roles are Resource Investigator, Team-worker and Co-ordinator (the Social roles); Plant, Monitor Evaluator, and Specialist (the Thinking roles), and Shaper, Implementer, and Completer Finisher (the Action or Task roles) (refer to the link for a better understanding: <https://www.belbin.com/about/belbin-team-roles>)

Name of the Team member	Preferred roles (Belbin)	Reason to select your preference (Any special expertise on your preference?)	Grade expectations		Preferrable day, time, and place to have extra meetings	Scrum Master (Sprint number)	Security Officer (Sprint number)	Preferred method of communication for project discussion/informing any relevant updates to your team.
			Minimum grade	Expected grade				
1. Rein de Boer	Specialist	In module 4, I did a Belbin test which highlighted my main strengths in contributing to team projects. These roles best describe me as a team member and developer. Specialist, as I know a lot in the field of programming and hardware development/hacking. Implementer because I'm always able to find a way to realize my ideas.	7.5	8.5	Tuesday and Thursday. Possibly Sunday but not on Saturdays.	-	3	Discord, because it enables us to just text, join voice calls, share screens and more in one place. Everyone at TCS is using Discord one way or another, even on their phone.
	Implementer							
2. Maarten van Dort	Specialist	These two Belbin roles are the result of the Belbin Test we had to do in Module 4. I think these roles fit my character and expertise, as I have broad experience in many fields of programming (Specialist) and can sometimes be perfectionistic (Complete finisher).	7.5	8.5	Online meetings can be done any time I am available, without preferred day or time. Physical meetings only	1	4	Discord is perfect for both messages and voice calls for online meetings. Physical meetings are preferred if feasible.
	Complete Finisher							

					during school hours.			
3. Danil Badarev	Plant	I took a survey in module 4, and as a result of it I got the following roles: Plant and Implementor. Plant describes me as a creative person, which is confirmed by my previous performance, where I was solving problems in unconventional ways. Moreover, in past projects I liked to turn my and my team's ideas into actions, therefore "Implementor" also describes me well.	6.5	8.0	After the lectures during the week	5	1	Meeting in person
	Implementor							Discord
4. Ivan Mandev	Specialist, Implementer	I chose these roles based on my previous experience and performance. I also took a survey in M4 which also resulted in these two roles, therefore I chose them because I think they perfectly describe me. My special expertise is Full stack.	7.5	8.0	During the week when we have free time, weekends also.	4	2	Discord and meeting in person.

5. Alexandr Gidikov	Team-worker, specialist	These roles are the result of a survey that I took in module 4. The “specialist” describes my previous experience (mostly in back-end), and I prefer to cooperate with teammates, ensuring that everyone’s input is considered, that’s why I am also a “team-worker”.	7.0	8.0	A physical meeting is preferable, any day of the week, as soon as we don’t have anything that is a more priority.	2	5	Discord, in person.
6. Luca Darius	Co-ordinator, Monitor Evaluator	I chose these roles due to easily finding out how people cooperate in between them and to whom should I address or suggest a certain task, and because I like knowing what everyone is doing at all times and if someone finishes a certain task, I put to a team vote about what the person should do as the next task. For the monitor evaluator: I like giving feedback to everything my team does and also receives on my work, because in my opinion that is how work gets done better and more complete. I also like to thoroughly consider choices we have to make.	6.0	8.0	Physically, otherwise people will procrastinate. A meeting should be held between 10 and 22 or on sleepovers where people are coding all night.	3	-	Discord, but preferably meeting in person and actually see the progress made physically

2. Project Goals (Mention at least 5)

What are your team goals for the project? What do you want to achieve? What skills do you want to improve or work?

- To formulate an extensive list of important, original and doable requirements.
- To have a mature, complete and functional final product.

- To learn to work with Raspberry Pi's and computer hardware
- To broaden our experience with working in a team, utilizing everyone's strongpoints, and helping each other out.
- To gain more experience in the skills required for programming, like critical and logical thinking.

3. Team Expectations (Mention at least 3 for each of the criteria)

What do you expect from the team members for a) Participation, b) Meetings, c) Communication, d) Individual Accountability, e) Conduct, and e) Conflict.

a) Participation (What is your group planning for team participation?):
-We agree to be present on time for all meetings <i>if possible</i> .
-We agree to present the work done if requested by other people and not ghost the requestee.
-We agree to give ourselves and help the others do the work, if requested or have free time because you finished your part or action points for today and there is still feasible time implementing another thing.

b) Meetings (What is your expectation from the team for the team meetings?):
-We agree to be present before the allocated time.
-We agree to prepare for the meeting on our own, making a list of your individual progress, and think about what is to be done next.
-We agree to try our best to have every voice heard instead of pushing one's own opinion upon other teammates.

c) Communication (How do you communicate with each other? Any rules for communication?):
-We agree to use Discord as a communication tool for message communication and for potential online voice calls.
-We agree to have extra meetings during the week. (online/physical)
-We agree to update our teammates when it comes to finishing or completing tasks.
d) Individual Accountability (What is your expectation level for each individual in your team for fulfilling team assignments, tasks, and accomplishing deadlines?):
-We agree that if a team member face some problems with the crucial task, then he needs to ask for help or switch the task
-We agree to track the progress of each other, so the work could be splitted more efficient
-We agree to start working on other parts, after finishing the task/s given.

e) Conduct (How do you follow the degree of professionalism within the team and how do you manage if any of the team members doesn't follow the conduct or fails to fulfill expectations?):
-We agree to listen to each other and value every person's opinion the same.
-We agree to adapt to the opinion of the majority after a calm and rational discussion.
-We agree to follow the card procedures, and take the measures defined there to warn team members.

4. Team Agreements (These are the final 10 commitments/rules for your team that you agreed on together and promise to follow these rules during the project (Computer Systems, Module 5)).

I undersigned, hereby declare that I have read, agreed, and accepted all the rules and commitments mentioned in this document and will try my best to follow these rules during the project (Computer Systems, Module 5). If the rules are not being followed by us, we will bear the consequences as mentioned.

Commitments (C)	A signal on your commitments (Yes/No)						Team Member's Signature (Image)
	Ivan Mandev	Alexandr Gidikov	Danil Badarev	Rein de Boer	Maarten van Dort	Luca Darius	
As a team member I'll always be on time in all the meetings (if possible) with the preparation and agenda in mind.	Yes	Yes	Yes	Yes	Yes	Yes	Luca Darius Maarten van Dort Ivan Mandev Alexandr Gidikov Danil Badarev Rein de Boer
As a team member I'll always be transparent with my team.	Yes	Yes	Yes	Yes	Yes	Yes	Luca Darius Maarten van Dort Ivan Mandev Alexandr Gidikov Danil Badarev Rein de Boer
As a team member I'll always give importance to ideas and show respect to all the members.	Yes	Yes	Yes	Yes	Yes	Yes	Luca Darius Maarten van Dort Ivan Mandev Alexandr Gidikov Danil Badarev Rein de Boer

As a team member, I am committed to being open to dialogue and constructive criticism.	Yes	Yes	Yes	Yes	Yes	Yes	Luca Darius Maarten van Dort Ivan Mandev Alexandr Gidikov Danil Badarev Rein de Boer
As a team member, I promise to do my best to achieve the goal of the team and deliver things on time.	Yes	Yes	Yes	Yes	Yes	Yes	Luca Darius Maarten van Dort Ivan Mandev Rein de Boer Alexandr Gidikov Danil Badarev
As a team member, I agree to act with integrity and not to commit fraud.	Yes	Yes	Yes	Yes	Yes	Yes	Luca Darius Maarten van Dort Ivan Mandev Alexandr Gidikov Danil Badarev Rein de Boer

As a team member, I am committed to acting as a team and helping my teammates whenever it is necessary.	Yes	Yes	Yes	Yes	Yes	Yes	Luca Darius Maarten van Dort Ivan Mandev Alexandr Gidikov Danil Badarev Rein de Boer
As a team member, I agree to always respect the role of leader and the agreements in this contract.	Yes	Yes	Yes	Yes	Yes	Yes	Luca Darius Maarten van Dort Ivan Mandev Alexandr Gidikov Danil Badarev Rein de Boer

As a team member, I adhere to the colored card system, warning others with orange cards, and taking team members' concerns seriously.	Yes	Yes	Yes	Yes	Yes	Yes	Luca Darius Maarten van Dort Ivan Mandev Alexandr Gidikov Danil Badarev Rein de Boer
As a team member, I will make an effort to improve the team spirit, by taking interest in what others are doing, and keeping the others up to date on my progress.	Yes	Yes	Yes	Yes	Yes	Yes	Luca Darius Maarten van Dort Ivan Mandev Alexandr Gidikov Danil Badarev Rein de Boer

5. Team agreement on how to use generative AI tools (such as ChatGPT):

As a team, we agree to use ChatGPT and/or generative AI only for receiving feedback or brainstorming, but not copying large sections of generated code. We also agree to cite all the tools that we used in the making of our project. Suggestive coding tools like GitHub Copilot should always be used very carefully, reviewing and testing whether the suggested code actually does what you want and expect. It should not be used for large blocks of code.