

Sprint Retrospective, Iteration #6

User Story	Task	Member responsible for the task	Task Assigned To	Estimated Effort per Task <i>(in hours)</i>	Priority (A—E) <i>(A is highest)</i>	Actual effort per task	Done	Notes
1: As a housing corporation agent I want to be able to use several actions within the environment so that I can interact with the environment	Expand the "Build"-action to build several buildings the housing corporation agent wants to build	Ronald	Ronald	2	B: Needs to be done before the logic is written	2	Yes	Also worked on knowledgebase and percept handling and looked into how other groups handled actions.
			Lisette			2		
			Matthijs			0		My help was not required for implementng the actions.
	Make "Upgrade"-action to upgrade houses which have already been built	Lisette	Ronald	2	B: Needs to be done before the logic is written	2	Yes	
			Lisette			2		
			Matthijs			0		My help was not required for implementng the actions.
	Make "Buy"- and "Sell"-action to buy and sell land and buildings	Matthijs	Ronald	2	B	2	Yes	
			Lisette			2		
			Matthijs			0		My help was not required for implementng the actions.
	Update percepts which have been added to the environment	Ronald	Ronald	4	C	5	Yes	
Matthijs			5					
2: As a housing corporation agent I want to execute the actions that help to maximise my metrics so that I can complete my goals	Write logic for building buildings when neccecery	Ronald	Marco	10	C: Needs the action first to be able to be written	4	Yes	We also implemented modules to build and sell land, as well as to demolish buildings
			Ronald			22		
			Lisette			18		
	Write logic for upgrading buildings when neccecery	Lisette	Ronald	0	C: Needs the action first to be able to be written	3	Yes	
			Marco	0		2		
			Lisette	10		2		
			Matthijs			0		See user story miscellaneous: fixing goal
3: As a housing corporation agent I want to be able to use indicator metrics So that I can evaluate my performance	Create metrics usable for the agent	Matthijs	Matthijs	10	B: The metrics are required for the agent to make educated decisions	5	Yes	New metrics have been added and can be used by the agent, however refinments to both the new and old indicators are still required.
			Marco	0		1		

4: As a developer I want my agent to be able to perceive his current indicators So that he can take decisions according to the state of the environment	Research if we have to print the HTML data from all the Excel documents through GOAL or if we can create a test that prints all the HTML data	Joshua	Marco	5	A: We need to do this before we do the task below	3	Yes	The research found out that the HTML data could not be printed
			Joshua			3	Yes	
	Research if all the Excel documents are structured the same way so that the parser only has to know one algorithm to be able to parse all documents	Marco	Marco	5	B: We need to have this information to implement the task below this one without eventual bugs	5	Yes	
			Joshua			5	Yes	
	Write and test the parser	Joshua	Marco	10	B: Other groups also depend on this task	10	Yes	
			Joshua			10	Yes	The parser I wrote ended up not being used because there was a better solution. The code has been committed and removed so that it can still be looked at.
	Add a parser to the translators which need current indicator values	Joshua	Joshua	1	C: Other groups also depend on this task, but this task depends on the one above	0	Yes	Ended up not being needed, because a different type of parsing was used.
Miscellaneous	Add total_score percept so that the agents have an easy way of measuring their progress	Joshua	Joshua	2	C	0	No	
	Go to Tygron	Marco	Marco, Ronald	4	D, although useful attend tygron meetings they are not required for other tasks	0	No	Ronald who was assigned for the tygron meeting was not aware of that decision and Marco was feeling ill so he could not come to Tygron.

Sprint Plan & Sprint Retrospective	Lisette	Marco, Matthijs, Ronald, Joshua, Lisette	4	A, required to give direction to the sprint	6	Yes	
Architecture Design	Marco	Marco, Ronald, Lisette	3	E, has no other dependent tasks and only needs minor changes	2	Yes	
Evening Meetings over Discord Voice Chat	Nobody	Marco	5	A, The meetings are to make sure nobody stays behind during the week.	3	Yes	
		Matthijs			4		
		Ronald			5		
		Joshua			3		
		Lisette			4		
Fixing Lisette's computer	Joshua	Joshua	0	No priority, task later assigned	3	Yes	This was a task added later
Fixing a problem with Goal	Matthijs	Matthijs	0	A, Goal has to be fixed before progress can be made on the agents.	20	No	As discussed in problem 1, problems were encountered in goal that halted my progress for the agents.
Helping people with correctly implementing the string in the Excel sheets for custom indicators	Marco	Marco	0	No priority, task later assigned	4	Yes	Several people came with small problems in their excel sheets because it was sometimes unclear how to use them, since I had been working with the sheets the whole week I was the right person to ask.
Prepare agent implementation for demo	Ronald	Ronald	0	A, The demo was mandatory for our context project	4	Yes	We had to implement and fix some example functionality so that the agent was performing example actions suitable for the demo.
		Marco			4		

Main Problems Encountered

Problem 1

Description: Matthijs: Goal had a lot of problems evaluating some percepts, however this problem only occurred on my laptop, even when no changes had been made to the code.

Reaction: I reached out to both my teammates and the TA's to see if they had a solution to my problem, however neither had an answer to the problem, so nearly all time this week has been spent on trying to fix the issue. Unfortunately the problem has not been resolved. I plan on looking at it again this weekend, and if I can't fix the problem before the Monday, I will ask for help once more, from TA's, as well as group members.

Problem 2

Description: As soon as we noticed problems with debugging we came up with an alternative solution to debug by storing our console log to a file and adding print functions in goal. When we encountered some broken code we enforced everyone who worked on goal code to use this method instead of committing.

Reaction: From now on anybody will give a reaction to a question, even if the person doesn't know the answer. They will reply that it will be discussed or asked internally.

Problem 3

Description: At a certain point in time we lost some work because two members were working on the same module implementation.

Reaction: We chose to use the implementation that was finished and which worked and discarded 12 minutes work of other changes.

Problem 4

Description: We could not debug our goal agent properly using the debug mode in goal, causing some code being committed which has not been debugged properly so it did not function as intended.

Reaction: As soon as we noticed problems with debugging we came up with an alternative solution to debug by storing our console log to a file and adding print functions in goal. When we encountered some broken code we enforced everyone who worked on goal code to use this method instead of committing.

Adjustments for the next Sprint

To solve our communication problem described in 'problem 2' we intend to always immediately react when a TA or member from another team directly mentions us on slack, even if it is a reaction to let them know that we will give a better response later on.

All tasks in the backlog should be defined better and it should be clear to everyone when a team member is working or helping on tasks he was not initially assigned to.

Everyone should check their task on the backlog and immediately notify other team members when they cannot make a task.