

Sprint retrospective #4

Context project: Virtual Humans for Serious Gaming

Group: WhySoSerious

User Story	Task	Member responsible	Assigned to	Estimated Effort (hours)	Priority (A-E)	Actual effort	Done	Notes
As a developer, I want to make proper use of github to ensure smooth development of the connector with all teams.	Update the old github connector fork and reconfigure it to work with travis CI.	Dennis	Dennis	4	A, needs to be done before we can work on the connector	3	Yes	
As a user, I want the virtual human to differentiate between different types of student housing.	Change the building indicator to assign different weights to different kind of student housing.	Max	Max	8	B	7	Yes	The new indicator percept created by Danshal is implemented and used by our agent.
	If the indicator percept is implemented, make sure our agent recognizes this indicator.		Marciano	8		7		
As a developer, I want the virtual humans to be able to communicate with each other.	Discuss with other groups about how to implement messages between virtual humans.	Marciano	Rico	6	B, important for negotiation, but the connector has a higher priority	1	No	We postponed this feature because the must haves, have priority and are not implemented yet. We discussed this with the other teams and they agreed we were not ready for this.
			Dennis	6		1		
			Marciano	6		1		
			Max	6		1		
As a developer, I want to make sure that there is a working strategy before it is implemented into code.	Make a concept strategy for the DUWO stakeholder for achieving the goals as stated in the product vision.	Rico	Rico	5	B, the sooner this is clear, the more effective we can implement it (backed by Joost Broekens)	5	Yes	
			Dennis	5		5		
			Marciano	5		5		
			Max	5		5		
As a developer I want more information on DUWO so that I can create a more accurate simulation.	Recontact DUWO.	Rico	Rico	1	C, can be beneficial to refine our stakeholder strategy, but it is not strictly necessary	1	Yes	We tried to contact them by phone this time, but they did not answer.
As a developer, I want to have a connector between the tygron servers and our goal agents.	Meet with the other groups to discuss the features we want to have in the connector.	Dennis	Dennis	15*	A*, we need the connector to be able to work on our agents	9	Yes	These tasks can be found in detail under extra work.
	Divide the features into the groups (and maybe wouter) and prioritize them with a time estimate.		Marciano	10*		5		
			Max	10*		9.5		
			Rico	15*		24		

*Note: We expect to be working on issues regarding the connector, but we have to discuss with the other groups who is responsible for each issue. When we know which issues we are responsible for we will create an extra sprint plan. We also expect new issues to resurface constantly and we can not know in advance what they will be. This means that we can not yet accurately describe and divide these tasks.

Extra work

User Story	Task	Assigned to	Actual effort	Notes
As a virtual human I need to be able to have information on the other stakeholders and myself in the game.	Add stakeholder ID, current budget and yearly income to the translator class of type stakeholder.	Rico	6	Took a long time because we first had to find out how percepts were created.
		Dennis	3	
	Update the tests so they pass the new stakeholder translator implementation.	Rico	2	
As a virtual human I need to be able to know which stakeholder I am.	Create a new send-once percept that contains the ID of your stakeholder.	Rico	6	Is currently a pull request and should be reviewed by the other team members.
As a developer I want a workspace that has a clear structure so that I can work productive.	Refactor the virtual human files so that tests and the DUWO agent are in a separate folder.	Rico	0.5	
	Create a batch file that tests all our tests automatically and shows the tests results.	Rico	4	
As a developer I want to have detailed knowledge about all percepts and actions implemented in the connector so that these corresponds to our agents needs.	Discuss the percepts and actions with other groups and distribute these between groups.	Rico	6.5	
		Max	6.5	
		Dennis	3	
		Marciano	3	
	Perform code review on each pull request and discuss improvements	Dennis	3	
		Max	3	
		Marciano	2	
		Rico	1	

Main problems encountered:

Problem	
Description	When someone creates a pull request to eishub/tygron, there is no trivial way to test the new features with our virtual human.
Reaction	Max found a way to fetch a pull request.

Problem	
Description	Communication between groups and with the teachers and TA's was not optimal.
Reaction	We decided to have more meetings and make clear plans about which group is assigned a task.

Problem	
Description	When we make a pull request from the eishub/tygron context branch to our Denpeer/tygron master branch to update our connector, the pull request fails. This happens because Travis does not allow environment variables in a pull request for safety reasons.
Reaction	When we want to update the Denpeer/tygron master branch we first have to check if the origin branch of the pull request has succeeded it's travis tests. This should ofcourse be the case because otherwise the pull request to eishub/tygron context branch should not have been merged.

Problem	
Description	Tygron has updated their SDK again and that broke the connector.
Reaction	Contact Frank from Tygron so the SDK can be updated.

Problem	
Description	DUWO did neither respond to our email nor our call.
Reaction	Stop trying to contact DUWO since this a waste of our time, and by now, we estimate the chances of DUWO reacting to us are very low.

Problem	
Description	When a group creates a pull request, it takes a long time for other team members to review this pull request. This time is sometimes wasteful because the group has to wait until it is reviewed.
Reaction	We agreed on merging pull requests if no one disapproves within 48 hours of the creation of the pull request, or the last edit in it. A github-bot for slack has also been added to our channels by the TA's. Within our group, pull requests are notified by a telegram github-bot.

Adjustments for next sprint

- We now have a technical meeting at Tygron at tuesday, an evaluation meeting with all groups teachers, and other teams and TA's on wednesday and a planning meeting with the other groups on friday, apart from the standard weekly meeting with the TA's on friday. This will help us with the communication between groups and get an overview of what the other groups are working on so we don't do double work.
- Pull request to eishub/tygron context branch should be reviewed by us in at least 24 hours. If we do this we can see every pull request and approve it or disapprove it. When we don't like a pull request we can deny it so the changes aren't merged.

