



Sprint Review 5 - 11/10/2020

Date	Oct 11, 2020
Issues	MYR-8: Reports DONE MYR-6: Patrolling DONE MYR-58: Data structure optimization DONE
Status	GREEN
Participants	@Martina Cavallucci (Scrum Master), @simone Golinucci, @Linda Guiducci, @Matteo Magnini (Product Owner)

Report summary

Epic Goal:

- Implement data structure optimization(insertion, query, removal)
- Patrolling behavior of ants
- Display report and save simulation information on file

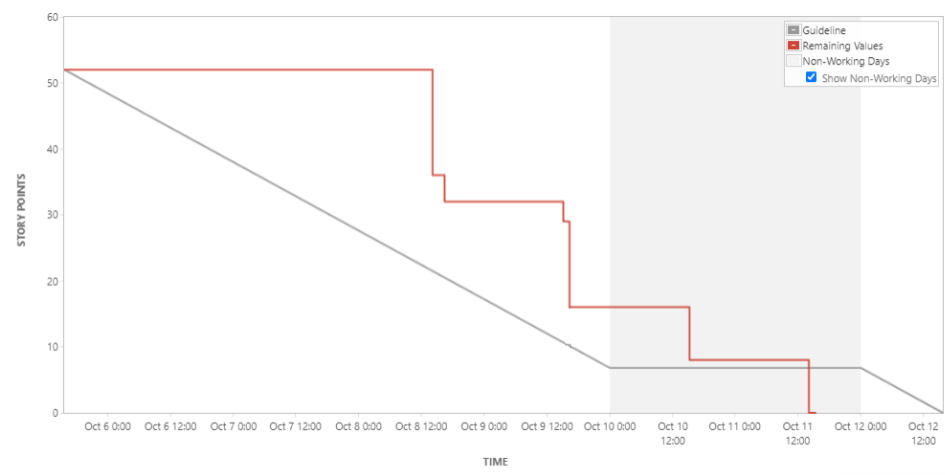
User Story Goal :

- As a user I want the ants to have the patrolling behavior so that I can simulate it in silicon
- As a user I want to collect data from the simulation so that I can analyze it later

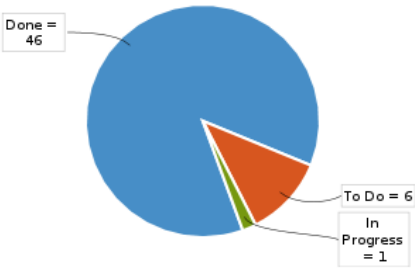
Epic	Story	Task Description	Assigned to	Priority	Estimated Story Points	Actual Hours	Current State	Will Dem e
MYR-6: Patrolling DONE	MYR-22: Pheromones for patrolling DONE	<ul style="list-style-type: none"> • Creation of specific pheromone to detect "danger" for the ants 	@Matteo Magnini	Medium	2	2h	Done	Yes
	MYR-61: Expande ants competence DONE	<ul style="list-style-type: none"> • Added danger pheromone taxis for patrolling ant • When ant die in a fight, relies a danger pheromone 	@Matteo Magnini	Medium	2	2h	Done	Yes
	MYR-62: Improve fight logic DONE	<ul style="list-style-type: none"> • Improve fight logic 	@Matteo Magnini	Medium	3	4h	Done	Yes
MYR-58: Data structure optimization DONE	MYR-59: R-Tree Creation DONE	<ul style="list-style-type: none"> • Think R-tree creation algorithm in logic paradigm • Implement node insertion • Implement node removal (with fixed tree) • Test structure 	@Linda Guiducci	Medium	13	16h	Done	Yes
	MYR-60: R-Tree query DONE	<ul style="list-style-type: none"> • Implement range query on R-tree • Test query 	@Linda Guiducci	Medium	8	2h	Done	Yes
	MYR-54:		@simone	High	8	15h	Done	Yes

	<div>Obstacle with different shape</div> <div>DONE</div>	<ul style="list-style-type: none">Implement recursive obstacle joinHandle bouncing between obstacle and foodFood as obstacle	Golinucci					Edit
<div>MYR-8: Reports</div> <div>DONE</div>	<div>MYR-23: Save simulation information</div> <div>DONE</div>	<ul style="list-style-type: none">Save to file sampled information about enemy and ant	@Martina Cavallucci	Highest	8	4h	Done	Yes
	<div>MYR-25: Show data in gui</div> <div>DONE</div>	<ul style="list-style-type: none">Display plot about simulation information progress	@Martina Cavallucci	Low	8	5h	Done	Yes

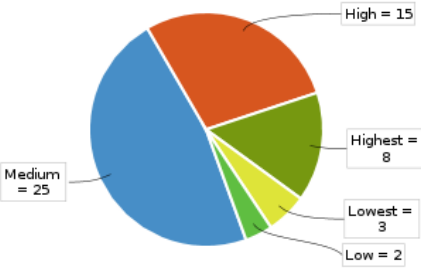
Burndown Chart



Overall status



Priority



Issue Type

Edit

