

Sprint Reflection on Iteration 5

Bachelor Graduation Project: Model-based Optimization and Visualization of Aircraft Noise

Team: Elvan Kula and Hans Schouten

User Story	Task	Task Assigned To	Estimated Effort per Task	Actual Effort per Task	Done (yes / no)	Notes
The user wants a clear overview of the contour values that are visualized	<ul style="list-style-type: none">- Implement colour gradient interpolation for the contour map- Add legend that dynamically shows boundary values- Add labels to selected contours in visualization	Hans	5 Hours	5 Hours	Yes	
		Elvan	5 Hours	5 Hours	Yes	
		Hans & Elvan	4 Hours	4 Hours	Yes	
The user wants to be able to enter an input trajectory in WGS, RD and standard metric (meters) coordinates	<ul style="list-style-type: none">- Implement algorithm to convert WGL coordinates to meters- Implement algorithm to convert RD coordinates to meters	Hans	3 Hours	3 Hours	Yes	
		Hans & Elvan	5 Hours	5 Hours	Yes	
The user wants to visualize awakenings	<ul style="list-style-type: none">- Filter population data based on the input grid	Hans & Elvan	2 Hours	2 Hours	Yes	Adjustment: we decided to visualize the houses with

that is based on the noise values and population statistics	- Visualize every house in GE with a bar	Hans	4 Hours	4 Hours	Yes	icons instead of bars Visualization is approved by the client and coach.
	- Calculate dynamically the noise value corresponding to a particular address	Elvan	4 Hours	4 Hours	Yes	
	- Implement awakenings algorithm	Hans & Elvan	5 Hours	5 Hours	Yes	
	- Implement randomized selection algorithm for the houses	Hans & Elvan	5 Hours	5 Hours	Yes	
	Animate the bars to grow in height and change colour with produced noise	Hans & Elvan	8 Hours	8 Hours	Yes	