Sprint plan 2

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
The user wants the project team to analyse the problem, context and possible solutions and to document this in a Research Report	- Chapter 5 – Approach (including comparison C++ vs C#) - Chapter 6 – Available Libraries and Tools - Chapter 7 – Quality Guarantees	Hans & Elvan Elvan Elvan	6 Hours 2 Hours 2 Hours
The user wants the project team to keep their emergent architecture updated in an iterated manner	- Update Emergent Architecture document	Hans & Elvan	2 Hours
The user wants to calculate noise contours produced along the input trajectory	- Identify the switch points that satisfy the reference value by using linear interpolation - Iterate the frame and find clusters with a similar noise level to generate contours	Hans & Elvan Hans	6 Hours 8 Hours
The user wants to visualize the calculated noise contours in Google Earth	- Implement the algorithm that converts Rijksdriehoekscoördinaten to WGL coordinates (long/lat) - Visualize the noise contours with a basic overlay in Google Earth	Hans & Elvan Hans	5 Hours 6 Hours
The user wants to visualize the input flight trajectory and the produced	- Set-up of basic KML file holding the trajectory - Set-up of basic KML file holding the airplane model	Elvan Elvan	5 Hours 3 Hours

noise contours in a real-time 3D animation mapped on Google Earth.	- Set-up of basic KML file with a simple line animation	Elvan	6 Hours