

Milestone 2 - Group 6

Table of Tasks

Task ID	Description	Complexity	Justification
ST01	Pixel format RGB565 + Bug found in RGB444	Hard	<p>Needed a good understanding of the pixel format and how to manipulate bits.</p> <p>File created: 4 folders containing 2 or 3 files. This increases with time. Folder was: meeting folder, milestone folder, document folder, literature folder</p>
T17	Pixel format YUV422 conversion	Medium	<p>Used the previous experience in writing the RGB565 function</p> <p>In libSMCE/src/SMCE/BoardView.cpp and libSMCE/include/SMCE/BoardView.h pp Tests creates in tests/BoardView.cpppp</p>
T13	Autoinstall CMake (in progress)	Insane	<p>Autoinstall CMake if absent (done) Autoinstall CMake if outdated (in progress)</p> <p>Files changed (branch autoinstall-cmake:</p> <p><u>libSMCE</u> src/SMCE/Toolchain.cpp include/SMCE/Toolchain.hpp</p> <p><u>smce-gd</u> project/src/utilities/Util.gd project/Entry.gd project/Entry.tscn</p>
T21	Validate runtime CMake	Medium	Medium. No so much background in

	minimum required version		Cmake
ST04	Implement a way for environments to describe where the vehicle should be spawned	Hard	<p>The syntax of the .gd and .tscn file are hard to understand. We need to read a lot of tutorials. And the front-end files are highly coupled. To add a variable requires multiple corresponding files to be modified together, but the file layout of the front-end files is very difficult to find.</p> <p>1 new file in: smce-gd/ci</p> <p>Lines of code: 78 Changes in smce-gd: Api.json ControlPane.gd ControlPane.tscn UartConsole.gd</p>
OT02	Presentation preparation Prepare slides, dig deep into the understanding of the system and how we actually have understood the code and the architectural abstractions.	Easy.	2 files: slides, notes

Contribution Table

Name	Task Id	Contribution %
Elena Marzi Tornblad	ST01 T17 OT02 T13	100% 50% 20% 5%
Wei Guo	ST04 OT02 T17 T21	50% 20% 5% 5%
Clementine Jensen	T13 T21 ST04 OT02	50% 50% 5% 20%
Wenjie Jiang	ST04 OT02 ST01	50% 20% 5%
Erik Tran	T17 T13 T21 OT02	50% 50% 100% 20%

*5% refers to reviews done of the code implemented.