

Task ID	Description	Complexity	Justification
Meeting5	Meeting with stakeholders (Ryan & Ruthger)	Small	2 Meetings
Meeting6	Group meeting GM3	Small	3 Meetings
Meeting7	Meeting with Supervisor GM3	Small	2 Meetings
Code10	Multi Tab system V1.0	High	Researching, many new functionalities and refactoring old code to work with new system
Code11	Functionality to create a new arduino project & files	Medium	Adding a template for new code, connecting to the new tab system and creating folders recursively
Code12	Functionality for syntax highlighting	Small	Adding new text highlight rules in code editor
Code13	Refactor the main_window and link to current sketch	Medium	Small code changes but annoying bugs regarding instances had to be resolved
Code14	Hierarchy(Panel with all files in the project)	High	new UI, recursive tree generation, signals etc.
Code15	Add code duplication analysis as a Github Action	High	Much reading about different static analysis tools, when a suitable one was found it was not much work
Code16	Popup window	Medium	Adding a class and a scene for popup window with two modes (information & confirmation) + testing
Code17	Fix the RGB565 for test cases	Medium	Old RGB565 code was not fulfilling the test cases, it had some static cast issues as well
Code18	Bug : Editor doesn't save state when opened/closed	Small	Changing of functionality - creation of a stable code editor instance that is hidden and not dismissed on closing
Code19	Add the test cases for RGB565	Medium	Added the test cases for unit testing of RGB565 support
Code20	Bracket matching for code editor	High	A lot of time spent on research and implementation of text selection-based matching (due to very limited functionality of Godot). It was replaced by a more advanced option (based on existing but hidden Godot functionality) afterwards.
Documentation6	Code review	Medium	10 pull requests
Documentation7	Google slides for presentation GM3	Small	6 Slides