

Project – Part 2

Updated Analysis Report and Code Submission due Dec 28, 23:59

The objective of the second part of the project is to write/modify the code of the game taking into consideration your feedbacks from Analysis Meeting. You need to update your class diagrams accordingly and submit a report (with all necessary diagrams) and a code compatible with each other. The code you develop in this part should be able to perform everything that original game was doing **in an object-oriented manner**.

One of the main principles of object-oriented programming is the data privacy. Each object should be responsible for containing own private parameters and any changes on such parameters should be performed by the object itself. Currently in the code, the “Plants Game” has full authority on all parameters and all operations that are performed. To obtain data privacy, you should define some of the existing functions as class members, so that each class can perform necessary operations without compensating from privacy. Keep in mind that any function defined for a class is expected to be operate for one instance of that class not for a group of instances. For the submission you should try to obtain data privacy for each class as much as possible.

You will submit your **updated report to Moodle**. Also, you are expected to finalize your code on GitHub until the deadline sine the. All diagrams in the analysis report (use case and class diagrams), should correspond to the code you submit. Your report should **include**:

- A Cover Page (with Group Number)
- A Contents Page
- Use case diagram
- An updated and expanded version of class diagram (You still don't need to add functions in the class diagram)
- Explanation of the diagrams

Please be careful with indentations, captions, page numbers, etc. in your report. Please use good English and spell-check before you submit. You should include references if you have any. In short, use general rules of report writing.

About submission to Moodle, one upload per group is enough. Moreover, history on GitHub will be considered while grading, thus every student should submit their contribution from their own GitHub account so that we can track changes on the code. No project meetings will be held at this stage.