

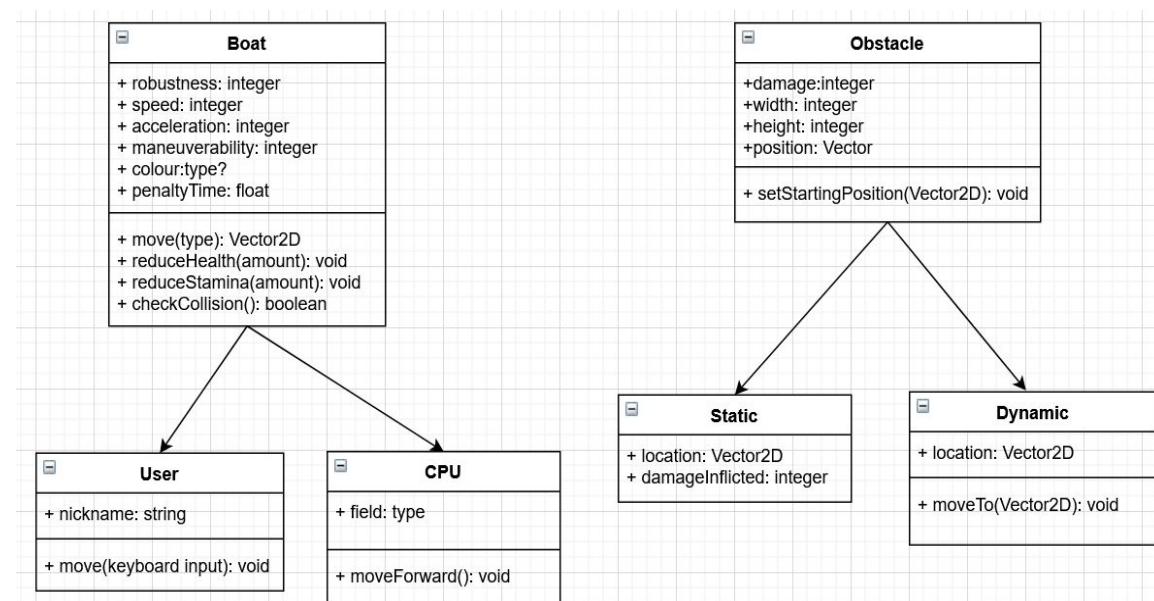
a) Give an abstract and a concrete representation of the architecture (structure) of the team's software, with a brief statement of the specific languages used to describe the architecture (for instance, relevant parts of UML), and, if appropriate, the tool(s) used to create the architecture representations (10 marks, ≤ 3 pages).

Abstract Representation of the Architecture

Including brief statement of the specific languages used to describe the architecture (e.g. UML), and the tools used to create the architecture representations (draw.io).

We decided to use Draw.io to create our UML class diagrams. We decided to use Draw.io because it provided all the functionality and shapes that we needed to create our class diagrams plus it allows everyone to collaborate on the same diagram. We considered PlantUML but it seemed complex and thus had a greater barrier to entry, which we wanted to avoid.

The simple drag-and-drop UI meant that as a team we could make the most efficient use of our time, which enabled us to allocate saved time elsewhere.



Concrete Representation of the Architecture

Including brief statement of the specific languages used to describe the architecture (e.g. UML), and the tools used to create the architecture representations (draw.io).

This is to be done after the implementation has been completed, to describe the way we actually did it.

b) Give a systematic justification for the abstract and the concrete architecture, explaining how the concrete architecture builds from the abstract architecture. Relate the concrete architecture clearly to the requirements, using your requirements referencing for identification, and consistent naming of constructs to provide traceability. (12 marks, ≤ 2 pages)

Systematic Justification for the Abstract Architecture

Justification for the Concrete Architecture & how it builds on the Abstract

Relate the concrete architecture clearly to the requirements, using your requirements referencing for identification, and consistent naming of constructs to provide traceability.