

Need	Priority	Design Criteria – Constraints and metrics
Multiplayer	4	3-5 people can play at the same time
Trigger warnings	5	Told to players by the instructors: Flashing lights, PTSD warnings.
No cultural, religious, country or racial bias	5	Game must seem as though it could be anywhere in the world. Everyone can understand regardless of background
Difficult to figure system out	4	Unpredictable, no patterns
Target young adults	4	15–30-year-olds
Quick set-up/transfer	2	Entire game set up <5 minutes. Transfer time <30s Battery charging time=2 hours
Easily transported long distance	5	Everything except robomaster and battery's fit in carry on suitcase (55x35x22cm)
Set up in various locations	5	Game can be set up virtually anywhere, Does not rely on specific environment needs to be set up
Not effected by surroundings	5	Speaker volume at concerts: 90-120 decibels Should be heard over that (from a distance)
Simple setup instructions	5	Instructions for set up are simple and easy to follow
Make participants feel like they lost	5	Participates do not feel successful even if they win
Outline ethical concerns*	5	Clear links to at least 3 of the 9 ethical concerns of mines action Canada.
Give participants negative views/knowledge of autonomous weapons	5	The Participants should feel that the game is unfair, and that the targeting system is unreliable.
Lack of human behaviour	5	Robomaster will act and make decisions without considering any of the factors a human would. Omni directional wheels and strange movements.
Short game*	5	Game takes a maximum of 10 minutes from start to finish

\*New need / changed need since last deliverable

Yellow: functional

teal: non-functional

**Reflection:** After the client meeting, we were presented with a document that outlined may project specifications that helped us identify the needs, as well as the design criteria to go with them. We were able to add 1 and adjust 1 need from deliverable B, and change a few priorities ranking. Some technical benchmarking we did was research noise levels at concerts, and the ethical concerns outlined by mines action Canada that we need to consider for our project.

After that, we were able to update or Trello board, as we now have more information on the next steps of the project, and as we are completing the first stages.