Client Needs Assessment and Problem Statement

Introduction

This briefing seeks to illustrate Erin Hunt's and Mines Action Canada's problem and present their needs. They have told us that there are movements to create and release autonomous weapons. Within the context of this project, we will define an autonomous weapon as a system that can detect threats and apply force without **human intervention**. Erin, with Mines Action Canada, is a part of an opposing movement to stop the development or release of such robots. As such, she has tasked us to create a short virtual reality video simulation showcasing what living in a world with autonomous weapons would be like.

Client Empathy and Needs Identification

During and after our meeting, we empathized with the client and what she explained to us to assemble this list of needs:
- **Need 1**: The client expressed the need for the video to be short and succinct.
- **Need 2**: The client expressed the need for autonomous weapons to be banned preemptively.
- **Need 3**: The client said the video/simulation must be "interesting, unique and memorable".
- **Need 4:** The video must evoke concern and inspire those who see it to campaign for positive change.
- **Need 5:** The video must be realistic and tangible.

Needs Organization and Prioritization

It is important to understand which needs are most crucial to the client's satisfaction, so they are prioritized in groups as follows:
Group 1
- Need 2, Need 4: These are of the highest priority because it is tantamount to the client that the weapons be banned, and the most obvious way to bring about that change is to inspire the general population to demand it. Thus, they need to be inspired and understand the problem and see the concerning future Erin and Mines Action Canada envision.

Group 2
- Need 1, Need 3, Need 5: These needs are also very important, but less so than those previously mentioned (As in, they don't need to be as rigorously stuck to as the others to effectively convey the client's message).

Problem Statement

After engaging and empathizing with the client, we came up with the following problem statement:

Erin Hunt, Ebin Joseph and Mines Action Canada need a unique, memorable and convincing 30-60 second video showcasing what our world would look like with autonomous robots capable of killing because they want self-governing killer robots banned.

User Benchmarking
- **Benchmark 1**: Following an analysis of previous iterations of similar projects by other student groups, it was determined that the more complex and arduous projects often have less success than the simpler ones. It will not be in our best interest make the simulation busy, less is more
- **Benchmark 2**: Following an analysis of previous iterations of similar projects by other student groups, it was determined that those who we effectively able to convey emotions such as concern and inspiration often had more success than the latter

Unknown Information
- **Unknown Information 1**: Following our meeting with the client, we have determined that more research regarding already proposed laws and restrictions on killer robots is required.
- **Unknown Information 2**: Following our meeting with the client, we have determined that more research into the workings of human emotions is required.
- **Unknown Information 3**: Following our meeting with the client, we have determined that more research regarding public sentiment about killer robots is required
- **Unknown Information 4**: Following our meeting with the client, we have determined that more research regarding already existing, or in-development killer robot projects is required.

These will be more clarified or defined as we continue to progress on this project.

Signature	Date
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