

Deliverable B
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Client statement table.

Client Statement	Interpreted Need	Design Criteria	Importance (1-5)
Cancer patients are prone to nausea, which can be caused by flashing lights, fast paced motion, etc.	The VR app does not induce nausea.	Presence of artificial motion.	5
Cancer patients are predominantly older, but there are cancer patients of virtually all ages.	The VR app has content suitable for all ages.	Appropriate content.	3
	The VR app is simple to use across age groups.	Simple setup.	3
		Setup can be fulfilled by the attending nurse.	5
According to information gathered during focus groups, patients favour calming experiences.	The VR app is tranquil.	Calming, soothing, peaceful content.	4
Patients must remain completely still during radiation therapy, and in the case of chemotherapy, patient have only one arm to use a controller.	The VR app is usable with limited motion.	Meets dexterity requirements.	5
	The VR app has simple controls.	Simple controls.	5
Radiation therapy and chemotherapy have varying session lengths (15-30 minutes, to a few	The VR app experience lasts the duration of the treatment.	Variable length of experience.	2

hours or even an entire day).		Appropriate duration depending on treatment.	4
		Save/load function.	2
Consider creating a virtual assistant to be there with the patient (a companion to join the user on their healing journey).	The VR application contains artificial and interactive companions as moral support.	Presence of companions in the virtual experience.	3
The medical support staff must be able to easily navigate the application.	The VR application is quick to set-up and requires little maintenance while running.	Efficient design for set-up and maintenance.	3
Audio stimulation greatly contributes to a positive experience.	The VR application contains calming music.	Calming music.	5

Problem Statement

A need exists for the Ottawa Hospital to distract chemotherapy and radiotherapy patients from their treatments using a virtual reality application which is easy to use and setup, calming, and engaging.