







Background







VR Headset

INPUT: where the player is looking - affects what is on the output display

Gloves

INPUT: position and motion of hands, down to individual fingers

Should be able to sense speed of motion, force of "grip"

OUTPUT: electric current locks the thin metal plates on each finger into place to simulate the resistance of holding onto an object

Allows player to naturally interact with the virtual disc: feel the throw and catch, play defense and block the other team's plays

Virtual Disc

Instead of a physical disc, players will interact with a virtual one, removing need for a retrieval system for physical discs

Harness

Used to ensure the player stays on the treamill area, can also contain sensors to aid in the computation of the position and orientation of the player's body in the game

Has hinged and extendable attachment to the treadmill to allow for a variety of motions and easy storage

Shoe Sensors

INPUT: position and orientation allows system to computer and understand where player's feet and legs should be

Omnidirectional Treadmill

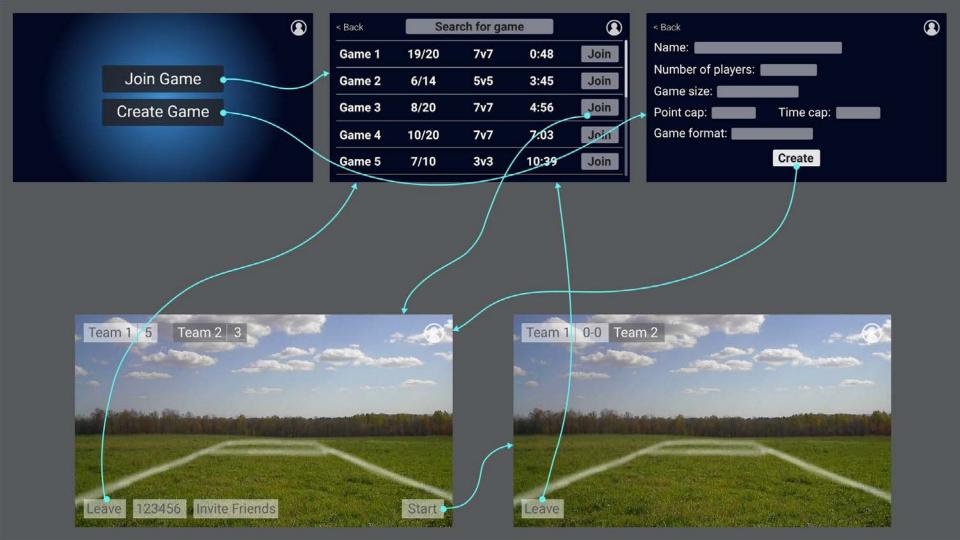
INPUT: running/walking movement

Eliminates need for an entire field space by feeding the player's movement into this moving platform







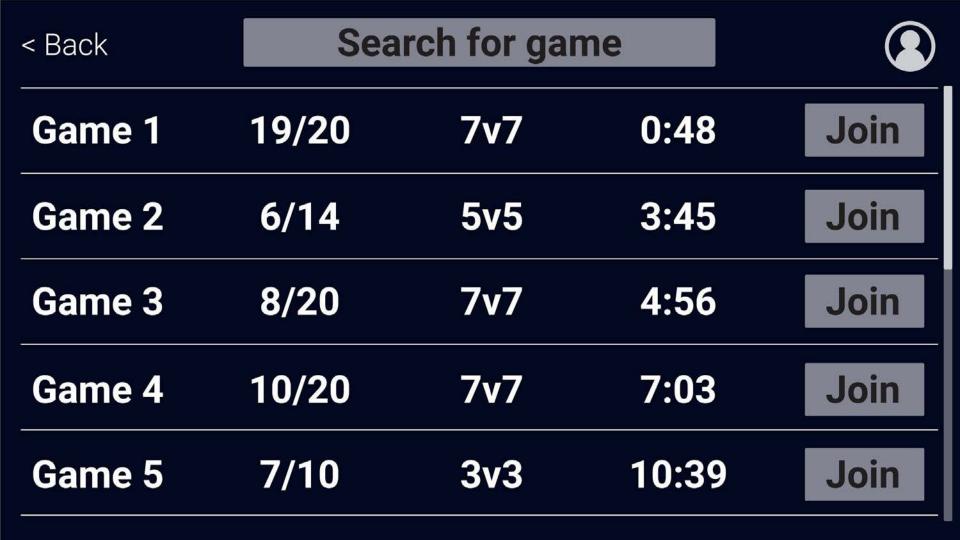






Join Game

Create Game







Name:

Number of players:

Game size:

Point cap: Time cap:

Game format:

Create



