

CSC132H Project Description

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Project Name: Battleship

Project Description: This is a videogame recreation of the famous Battleship boardgame. It will feature two Raspberry Pi's that each use GPIO to receive input from a joystick and buttons. The Pi's will then communicate with one another to change both players' screens according to the gameplay and output music and sound effects. It will feature an initial title screen, a ship-placement phase, and a main gameplay phase of targeting and firing at spaces on a grid until a player wins by sinking the other player's battleships.

Tags: Gaming, 2-Player, Sound, Pi-to-Pi Communication