

Intermediate Report: Android Development Team

Jillian Andersen, Jordan Apele, David Ruhle, Kyle Wenholtz

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1 The Product

The final product of this development team will be a downloadable Android application for playing Pong via human motion. Receiving position data from a Wii Remote the application allows a user to move a paddle on screen with motion in physical space. The current concept is to host games over the internet and allow play between two players to proceed as a normal game of Pong. This may change in the future to include *enhanced modes* where players may retrieve power-ups, attack or complete any other number of non-standard actions. Aside from the gameplay, however, the Android application will host a suite of other features. Accessing user statistics, global statistics, help and support, changing aesthetic settings, adjusting the volume, and even navigating to the Vir-Pong website will all be possible from within the application. While the application developed by our team is targeted at the Android platform, our team is working closely with the iOS development group to support a cohesive and quality application across multiple platforms.

Installation and usage instructions as well as help and support will be found on the Android market or on the Vir-Pong site. These instructions will be targeted towards novice technology users so that our product may be enjoyed by all groups. Developer documentation generated during the development cycle will be available to all Vir-Pong employees and the general public as part of our open-source commitment. Where this documentation will be hosted is currently under consideration.

The final product of this team will integrate with the greater Vir-Pong ecosystem. Servers, devices, the website, and users will bring together a community of human Pong players, all enjoying our product. Our piece in this greater puzzle is to put that experience in the pockets of consumers and allow Pong to be played in the physical world.

2 Requirements

2.1 Functional Requirements

2.2 Nonfunctional Requirements

3 Domain Analysis

4 Development: Thus Far

4.1 Progress Made

4.2 Proposed Schedule