Statement of Work

teamName.h

EC 327 - Introduction to Software Engineering

Fall 2015

The general objective of our project is:

Create a game that runs in an Android app. The game we set out to accomplish is a variation of an accelerometer based maze. The basic game allows a ball to move around a maze. Adding onto the game, there are certain obstacles that make the game more difficult.

Our project breakdown will include the following:

1. Project Lead - This person coordinates all efforts of the project.

2. GUI Designer - This person implements the App graphical front-end (probably in XML/Java).

3. Interface Designer - This person is responsible for programmatically connecting the various components into one coherent project.

4. Processing Designer - This person writes the back-end processing, in C or C++ / Java.

5. Documentation Manager - This person manages all documentation and marketing for the project.

Team Member Name: Eric Chan

Responsibilities: Project Lead, Processing Designer, Documentation Manager

I was responsible for arranging team meetings and pinpointing certain goals that needed to be achieved. Thought up of the original app ideas as well as taking suggestions of additions to the original game. Wrote back-end Java code to create the underlying logic of the game. Created the movement of the ball and its reaction to various obstacles.

Team Member Name: Matthew Owney

Responsibilities: GUI Designer, Documentation Manager

I designed all the app’s graphics and worked with the Interface Designer to ensure proper operation of the back-end with the GUI. This included creating XML layout files for the home-screen, and the level select pop-up. I also created the game-boards using android's Canvas class to draw the maze, obstacles, and player directly to the screen.

Team Member Name: Zhuohao Yang

Responsibilities: Interface Designer, Documentation Manager

I helped with associating functions to the graphical interfaces. I helped with debugging GUI and gravity controlled movement functions. I also documented timeline for meetings and made the PowerPoint for this project.