1. Executive Summary
2. ***Project Overview***

This project has been created to program a Sphero robot to travel along a blue-tape obstacle track. Within the track, the Sphero robot will avoid obstacles as well as travel over a ramp and knock over pins at the end. It has been created to test the applications of the Sphero robot and the ability of the robot to meet the specified requirements. The intended audience of this project is Professor Eckert and our fellow classmates.

1. ***Purpose and Scope of this Specification***

The purpose of this specification is to test the capabilities of the team members to collaborate and meet all the requirements specified. It is also to test the performance of the Sphero robot and application when completing an obstacle course with many obstacles to avoid and objectives such as knocking pins over after going over a ramp.

**In scope**

* *Traveling along a blue-tape obstacle course*
* *Programming robot to change angles and knock over pins*
* *Programming robot to avoid glass bottle obstacles*
* *Programming robot to travel over a ramp*

**Out of Scope**

* *Courses other than the current blue-tape obstacle course*
* *Actions not specified in the requirements*