Sprint 1 – Endurance Design Document

October 27, 2022

1. Executive Summary
   1. Project Overview

This project is intended to test the strength of our team’s ability to manage and code our sphero for an Endurance test.

* 1. Purpose and Scope of this Specification

The Sphero is required to move along the allotted track with few changes such as a starting voice line and color change and an ending voice line and color change.

1. Product/Service Description

2.1 Product Context

This product is the first of a four-part system the next three parts will be the agility, accuracy and presentation parts.

2.2 User Characteristics

This product will be used by our team of students on all of the upcoming robotic tests.

2.3 Assumptions

* Code will work immediately
* Room is available for use
* Everyone will get their jobs done correctly
* Robot will have no issues

2.4 Constraints

* Room not being available
* Coding errors
* Work not getting done
* Robot malfunction

2.5 Dependencies

The product will require a charger to use and will also require proper coding for the endurance track.