1. **Product/Service Description**
2. ***Product Context***

**This product is the third part of the 3-part Robotics Triathlon. This product is self-contained and independent of the other parts of the Triathlon. All that is needed is the Sphero Edu application as well as the Sphero robot.**

1. ***User Characteristics***

* ***Team members- Students, two years of coding experience, beginner knowledge of Sphero programming***

1. ***Assumptions***

* ***The classroom (HH-208) is available for students when necessary for testing purposes***
* ***Team members have non-conflicting schedules and can meet up before the deadline***
* ***The Sphero robot is provided by Professor Eckert***
* ***Sphero robot is functional as well as the application used for programming***
* ***Laptops and phones used for programming are available***
* ***Glass bottle obstacles as well as pins and ramps are available for testing***

1. ***Constraints***

* ***Team members are only able to meet up at specific times***
* ***Parts of the tape course are missing***
* ***Tiles on the ground of the classroom are uneven***
* ***HH-208 is not always available/shared with other groups***
* ***Quick deadlines***
* ***Obstacles, pins, and ramp are not always available***

1. ***Dependencies***

* ***Testing must occur in HH-208***
* ***Requirements table and algorithm must be completed before coding can begin***
* ***Sphero robot must be placed on blue-tape obstacle course and must knock over the pins as well as avoid obstacles***
* ***Sphero Edu application must be used to program robot***