*Florida International University*

*School of Computing and Information Sciences*

Software Engineering Focus

Feature Document

User Story ID #719 Level 1

**Name: Daniel Rivero**

**Team Member(s): Bernardo Pla, Daniel Rivero, Daniel Khawand, Hamilton Chavez**

**Project: WebVR 1.0 - Codeventures**

**Product Owner(s)**:

**Mentor(s)**: Francisco Ortega

**Instructor**: Masoud Sadjadi

**User Story Name:**

* Description: As a user who plays this game I want level one to enforce the programming concepts of method calling and variable declaration and parameter passing so that I can understand how to interact with the programmable robot and it with it’s environment.

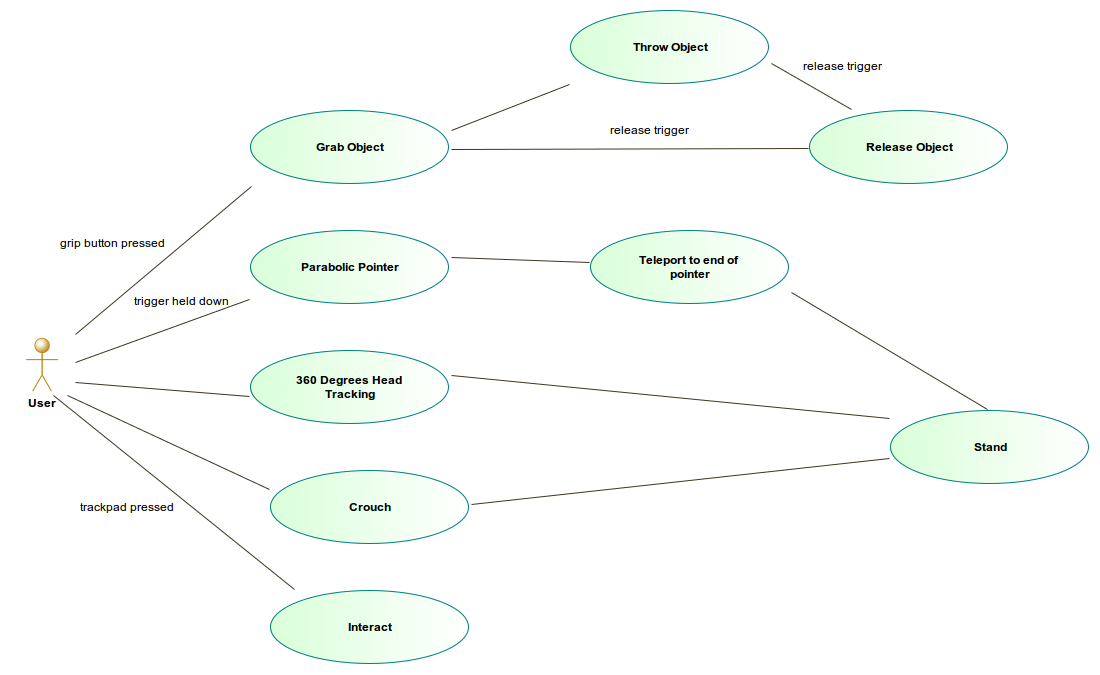
Acceptance Criteria

* User must program the robot in the correct way to complete the level
* User must look around his/her environment to find modules that give the programmable robot functionality
* Puzzles for this level should be designed for persons with little to no programming experience.

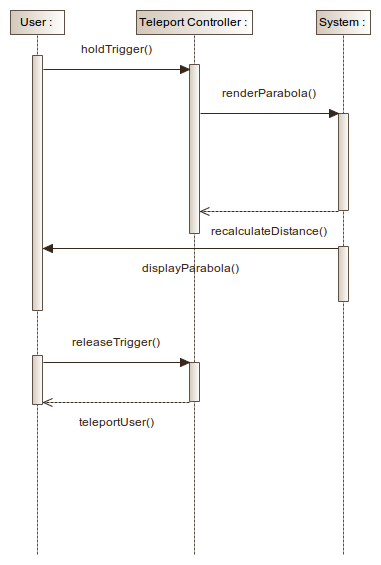
**Use Case**

* Name: User Navigation
* Actor: User, System
* Preconditions: User has already started the game and familiarized themselves with the controls
* Description :
  + User presses & holds trigger on HTC Vive controller
  + User sees a parabolic dotted line indicator
  + User points line indicator to a space they would like to travel to
  + System uses path navigation to snap endpoint of line indicator to floor
  + User releases trigger on HTC Vive controller
  + System calculates distance
  + User gets translated in the x-position to targeted location

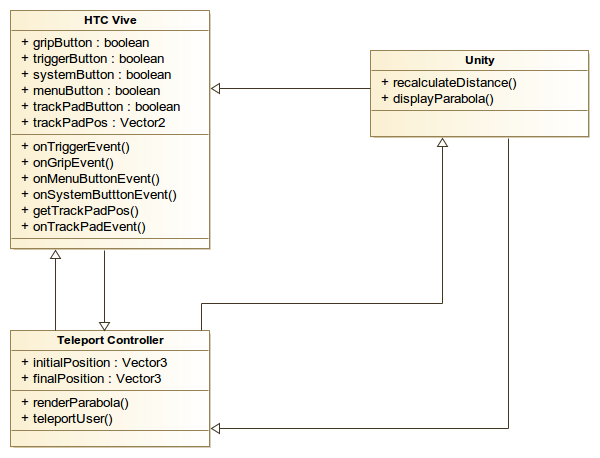
**Use Case Diagram <**you can use draw.io**>**



**Sequence Diagram**



**Class Diagram**



**Unit Test**

* Test case ID:
* Description/Summary of Test:
* Pre-condition:
* Expected Results:
* Actual Result:
* Status (Fail/Pass):

**Integration Test**

**Visual User Guide** <like one or two screenshots of the feature. For the hardware project, a photo of device is required>