## CMPE2950 Automatic Connect 4 Game Naresh Koirala Adrian Baira

## Specification

## Binary:

- Will a user interface that consists of 3 buttons that will allow users to play against four different modes, easy, medium, hard, and vs.
- Will Detect token placement, and players turn
- Will Record the Position of the dropped Token as POST
- Will have a Solenoid Dispense token in the dropper
- The project will have a web browser interface to play game
- MicroBeam will send dropped token data as an API POST call showing token placement on the browser
- Once the game is won Players name will be saved in the database with wins and win rate percentage

- mention the "Versus" goal.

## **Numerical:**

- The Stepper Motor will hold a hopper and travel between one to 34 inches to drop a piece within the board.
- Calibration of the board would be one minute
- Stepper motor time would be 5-15 seconds to travel between beginning to end
- The process of dispensing and dropping the token would be 40 seconds
- The process of showing the token on the web browser would be 40 seconds

Seems too long.

you should be able

to move the

whole width in Jsees

Cooily, and drop a

token neary instintly.

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