**CS 499 Design Documentation (constantly being updated)**

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Website link: [http://cs.uky.edu/~mwre222/CS499/website](http://cs.uky.edu/~mwre222/CS499/)

* Check the website for weekly log entries

GitHub link:<https://github.com/ProdigiousMelon/CS499>

Slack Channel: cs-499

**About:**

Our client is Mr. Peter Williams from North Oldham High School. The goal of the project is to build a system for visually impaired and blind people to shoot basketball.

**Current system design (subject to change):**

* Embedded system to tell user where they are on the court
* Embedded system to tell user where their shot landed -- if make or miss
* Embedded system to throw ball back to shooter
* (If time permits) Glasses that tell the user the direction of the goal
* Sensor processing module (arduino or raspberry pi)

**To-do list:**

* Brainstorm questions to ask Jared cousin’s
* Find embedded system hardware
  + Byron -- consult with professors for suggestions
* Build website
* Communicate with NOHS students

**Things we need from client:**

* Embedded system hardware -- once found
  + Microcontrollers
  + Sensors