Please submit your team project info, including a team name, team members, a short (1-2 paragraph) description of what you want to accomplish, and 3-5 bullet point list the cognitive agents goals (what will it do). Only one team member should submit, please.

Team Name: VisionNav

Team Members: Geoff Horowitz & Hermanth Sarabu

We want to create a cognitive agent that will navigate a previously unknown environment using visual cues and common object memory. Specifically, we want to place an agent in a room (possibly facing a wall) and tell that agent that it needs to get to an end location (perhaps outside, or a specific room on a different floor). The agent will then need to identify its surroundings, identify visual cues for navigating a room (ex. Doors), identify cues for navigating hallways (ex. Exit signs, stairs), and finally identify when it has reached its target location.

To achieve this objective, the following goals will need to be accomplished:

* Initial identification of location
* Visual identification and understanding of symbolic representations (ex. Signs, room numbers, etc)
* Visual identification and connection of special objects (ex. A door leads to outside, a staircase leads up/down levels).