Collin Gilbert
Project REPORT
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1.Project description

A camera on a servo that moves around in the left or right direction and is controlled from a website that is set with flask. The camera will send video to the website and can be viewed under the buttons to move the camera.

2. Project goals (overall)

The project goals are to learn a little more Python, get the system in condition where when I leave my cat alone I can set up the camera and watch her. Also, I'm hoping to learn enough javascript/ajax where I can put together a frontend to the webpage so that doesn't look like absolute garbage.

3. Your project implementation plans.
Almost finished. I wasn't assigned a project partner so I feel I should fairly only do half a project, but I'm moving forward doing the entire thing. I will have the servo programming done by next week.

4. How you broke up the project into components – describe each component
Components:

A: Get flask up and running a webpage from the pi.
B: Get webcam using mpeg streamer and pushing video onto the webpage .
C: Write code that moves the servo.
D: Construct servo, test it, test the final code.
E: Test and refine the look of the final webpage.

5. For each component above, describe how much work you have done, and what remains to be done. Include hardware and software used.

I've done everything. All that remains is the servo code and testing it.

6. Summarize your project's “good” and “bad” aspects, “easy” and “tough” aspects, from the group's point of view

The soldering wasn't fun. Neither was getting my router to properly port forward. Figuring out how to inject ajax code into html was fun, there are some pretty good articles online. Also, the software is pretty easy to implement. There are “config” changes that make the whole process kind of crunchy, but I got it done.

Moreover, the servo acted weird when I ran some test code on it, I'll have to figure out what is

going on...

7. Describe your goals for the next 3-4 weeks

I'm likely going to finish the project this weekend and if I don't, come in next Monday and get the servo working corrrectly.

8. List group members, and each member's contributions.

Collin Gilbert: Everything, because I am awesome.

Misc/ directory, create a StatusReport_1