

Roomie

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Roomie is a project that I've been conceptualizing for a while. In short, it is a central hub of information pertaining to living with roommates. It can track chores, groceries, and utility payment, as well as let anyone know who is home and who is not at a glance. It does this by utilizing a basic need of most people; They need somewhere to keep their keys. By plugging your keys into a USB hub when you get home, not only do you know where your keys are, but Roomie will know who's home and who's not. This project uses a Raspberry Pi imaged with Raspbian, and bash scripts - along with procedural language scripts as yet to be determined (I'm considering Ruby, since that is what the web interface uses for back-end development). Users will interact with this through a web interface hosted on my server. I will include the URL once I have a basic structure working.

Aaron will primarily be design and conceptualization. The web component should have a few statistics for the apartment in general, as well as the people who live there. James will be working on research and development, and I will be working primarily as development, but also generally as project lead. By the end of day 11/25/15, I want a working prototype with the USB hub editing the ruby file, to change who is seen as home. By 11/30/15, I want a clean design for the project implemented. By 12/9/15, the project should be done, and may include phone swiping instead of USBs, if we decide that is a reasonable goal.

Parts List:

- Raspberry Pi
- 3 port USB3.0 Hub
- Angular-Sinatra framework using Yeoman as a framework structuring tool
- 3 regular USB sticks of any size