SEADS Data Classification/Search Team

Sprint 1 Plan

In this sprint we will be collecting data, preparing our classification database, and researching classification methods.

User story 1: Data Collection and Aggregation “As an appliance owner I want to have an electrical outlet which automatically recognizes devices plugged into it so I can track my appliance use.” (SP: 5)

* Record data from 5 computers (2)
* Record data from 5 microwaves (2)
* Record data from 5 room heaters (2)
* Record data from 5 lamps (2)
* Record data from 5 televisions (2)
* Upload data into table (1)
* Install software for data gathering (1)
* Content organization/labeling (1)

User story 2: Database “As an appliance owner I want to have my appliance in use identified quickly.” (SP: 8)

* Set up schema (3)
* Create tables (2)
* Create stored procedures to ease upload/download for members not familiar with SQL (2)
* Create user accounts (1)

User story 3: Research “As an appliance owner I want any device I use to function using properly researched methods.” (SP: 13)

* Read research papers provided by Ali (5)
* Review existing SEADS code (5)
* Become familiar with Weka and other machine learning/relevant software (4)

Team roles:

* Vincent
* Record data from devices
* Read research papers
* Review existing SEADS code
* Weka, Matlab
* Quintin
* Record data from devices
* Install software for data gathering
* Set up schema
* Create user accounts
* Asiiah
* Record data from devices
* Content organization/labeling
* Create tables
* Weka, other machine learning software
* Kevin
* Record data from devices
* Install software for data gathering
* Read research papers
* Create stored procedures for upload/download
* Weka, Matlab
* Diem
* Record data from devices
* Upload data into table
* Review existing SEADS code
* Read research papers