Greg Heitman

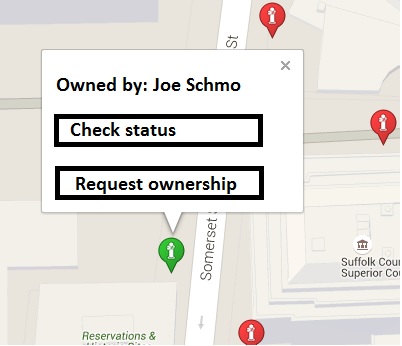
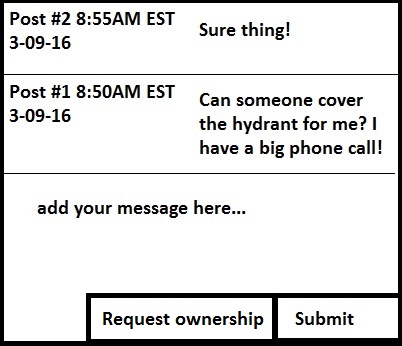
Dr. Pulimood

CSC 415-01

5 April, 2016

Assignment 4: Design User Interfaces

Interface design mockups



An email notification was sent to owner Joe Schmo!

Adherence to Eight Golden Rules of Interface Design

1. Strive for consistency

* Each hydrant on the Google Maps interface is color coded to indicate its ownership status.
* Each hydrant displays identical dialogue boxes with identical options to give users a consistent interface to interact with

2. Enable frequent users to use shortcuts

* Users who would like to request ownership without having to use the “Check status” option first can do so directly from the hydrant dialogue page if they have a hydrant that they already know they would like to request ownership of.

3. Offer informative feedback

* Upon selecting “request ownership”, a pop-up will provide feedback in the form of a visual notification, affirming to the user that their request has been processed

4. Design dialogs to yield closure

* Dialogue boxes (like the one discussed above), as well as the “Submit” button on the messages page indicate a clear confirmation of the actions the user has taken

5. Offer simple error handling

* There are no places where a user would errantly click and perform an undesired action on the simple interface that I have designed

6. Permit easy reversal of actions

* Users can edit or delete messages they have previously typed into the “check status” message log
* Users can simply select “Abandon this hydrant” to discard a hydrant that they no longer wish to own

7. Support internal locus of control

* Users are given the power to update information about hydrants themselves, and are given the power to freely select a hydrant for their personal responsibility

8. Reduce short-term memory load

* Users don’t need to memorize any passwords or sequences to access the information about the individual hydrants, and they can easily refer to the chat log if they have forgotten some details