**CS 1632**

**Exercise 6: Hibersense Testing using Selenium**

**James Hantz, Lun Xi, Karnbir Singh**

**July 5, 2017**

**Exploratory Testing:**

In order to develop a formal testing plan for Hibersense, we examined the systems’ functionality from the user’s perspective. Initially, we ensured that the “login” would be a secure way of accessing the system contents, and ensured that any failures would not be of detriment to the systems’ functionality. With the correct login credentials, we were provided appropriate access, and with invalid credentials we were directed with a message suggesting so.

Furthermore, we processed through the system to replicate any use cases that requirements should be able to handle. For example, the “FUN-FEEDBACK” requirement looks to have been met because “Provide Feedback” seemed to work correctly. In the “view” menu option, we attempted to set the date ranges to correspond with possible edge cases. For example, we set the date to range from December 31, 1999 to January 3, 2000 to test any possible “Y2K” scenarios. The system handled these values well. Additionally, the system did not allow us to set dates into the future. Overall, looks as if edge cases are handled well in the “view” functionality.

We continued our testing in the settings menu and explored a possible defect. When the user is in “Edit OFF” mode, the user should not be able to change any of the settings. However, we observed that the thermostat values were changeable regardless.

**Defects:**

SUMMARY: Edit is “OFF” but can still edit

DESCRIPTION: In Settings menu, when Edit is toggled “OFF”, Zones can be modified

REPRODUCTION STEPS: Once logged in on hibersense, click “settings” on the left-side menu, click “Edit OFF” button so its dark gray, click drop-down arrow in the “Zones” section next to “Thermostat”

EXPECTED BEHAVIOR: The drop-down arrow in the “Zones” section next to “Thermostat,” should be unresponsive when “Edit OFF” is toggled to be off

OBSERVED BEHAVIOR: The drop-down arrow in the “Zones” section next to “Thermostat,” provides a drop-down menu with options to click on

SEVERITY: Normal

IMPACT: The user may accidentally change settings, and may not know the cause for unexpected behavior by the system