

# CPSC 481 Post Evaluation Report

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Our Heuristic Evaluation yielded various issues and improvements over our initial prototype. The flaws uncovered and our fixes are as follows.

## Important problems to be fixed before stage 4 deadline

The location of where the user is currently.

- *This has been accomplished in the final prototype by adding the location of the terminal in the floorplan, indicating where the user is currently located.*

Clarity and detail within the floor plan

- *Rooms and furniture has been included in the floorplan to improve clarity.*

More button functionality

- *Extra functionality has been added where appropriate.*

Add prompts so that users will not accidentally do things that may negatively impact their home (ex repeatedly turning off and on stoves)

- *Multiple prompts have been added and previous prompts have been improved to reduce user confusion and ensure that they don't make simple mistakes that are difficult to reverse.*

General consistency changes to some of the buttons (accidentally made some buttons that look the same do different things)

- *Improved wiring between panels to improve the flow and removed bugs.*

Revamp the entire devices page to be usable

- *The devices tab has been modified to increase functionality and improve usability.*

Dedicated home screen button

- *The house layout has been modified to return the user to the main screen and multiple return buttons have been removed.*

## Less important problems to be fixed before the final presentation

Improved Navigation of the help menu

- *The fix will include improving the organization and layout of the help menu.*

Minor alignments and more sections in Big text mode

- *The fix will include overhauling the Big Text interface to be more user friendly and interactive.*

## Suggestions to be taken into consideration for future project

Full functionality of big text mode

- *This would not be feasible to implement in the prototype due to limited time as we would have to duplicate most of our current artboards and change the size of text for everything.*

Even more device page interactivity

- *The restrictions of Adobe Xd make this difficult to implement in a prototype. For example, tapping a device could bring you to its location in the house. However, functionality such as this could be implemented in future projects.*

No way to save preference settings (for example leaving things off when you leave).

- *This is a limitation of Adobe Xd, the fix would include creating parallel states that are saved when you disconnect from the service. This may not be feasible as there is limited space to use in Adobe Xd.*

Limited functionality for our specific project

- *One of our initial ideas was to have hovering aspects for the devices in your home (i.e. if you hover over a device, the pop up appears instead of clicking on it like what we currently have). Adobe Xd has no way of supporting this, though another program might be able to.*