COMP SCI 4HC3 - Human-Computer Interaction
Design Milestone #3 – UI Design

Due Date: November 23, 2016, in lecture.
Late submissions: Accepted up to 5 days late at a penalty of 20% per day.
Note that you will *still* have to do this work even if you don't submit this milestone, as it will be required in your final report!!!
The purpose of the milestones is to help pace your work, and to provide you feedback to help improve your final report!
Grading: This milestone is worth 20% of your project grade, i.e. 8% of your final grade.
Group Work: This, and all project milestones, are group work. Groups consist of 3-4 students, and will be the same team you picked for Milestone #1.

Part 1 – Personas:
For the first part of this milestone, you will design some personas to help guide the design of your software UI. You should create at least three personas – one of which will serve as the primary persona for your design, while the rest should be secondary. A persona template is available from the links below. You are encouraged to use this. Be sure to include sufficient detail for your personas – remember, you're designing for them!

Additional Reading and Resources:
- StepTwo Designs Introduction to Personas
- UXBooth on Personas
- Persona Guide & Template

Part 2 – UI Design:
For this part, you should start designing the actual UI. At this stage, it should be a "paper" mock-up, with sketches and text to indicate how it would operate. Note that this may not necessarily mean it will be on paper. You might, for example, draft different parts of the UI on a whiteboard, or use software (e.g., Paint, Powerpoint, InDesign, etc.) to draft your UI. You should ***not*** be coding yet, or using UI layout software (i.e., that generates code). The purpose of such mock-ups is to allow *rapid iteration* on the design – your design is likely to change quickly initially, then "converge" toward a final design. Actual code will delay this process, and will tend to decrease creativity (i.e., once a feature of the UI is fixed in code, it is unlikely to change in the next iteration). Hence actual coding of your UI is reserved for the next (final) milestone.

In your submission, you should provide some evidence of iteration on your design. In other words, you should provide a progression of design images. These must be provided in an electronic format. Hence, if you design on paper, you should scan the paper. If you design on a whiteboard, take pictures. In either case, put these images into a document, and submit a single PDF (rather than submitting perhaps dozens of pictures!). Be sure to include labels indicating which iteration is which (in the correct order) and please include descriptions and rationale of changes, as appropriate. You will likely include different iterations for different "screens" of your UI.

Similar to milestone #2, you should also include an HTA for the two primary functions of your software using your UI mock-up. Specifically, you should pick the same functions that you performed HTA on in MS #2 for other software. The purpose is to compare the HTA for your design to that of existing software you reviewed in MS #2 – to convince yourself that your design is really better than the existing software you reviewed. Be sure to model tasks to the same level of detail as in MS #2, otherwise your HTAs will not be comparable! Consider performing several HTAs throughout the design process: for example, if an initial HTA suggests that your UI is actually *more* complex than the existing software, then this is a good indicator that you need to iterate on that design! This will help inform the rationale of iterations on your design, and you can include this early HTA in your submission.

Submission:
Submit all documents - original Word format or PDF + mockup files - to the Avenue dropbox by the date specified. Please compile all materials into a single document. Only one group member should submit this with all group member names on it. If you use any supplementary material, be sure to reference it.

Also submit a hard copy of all documents in lecture on the due date. Note that you need to attach your **<u>marked</u>** Milestone #2.