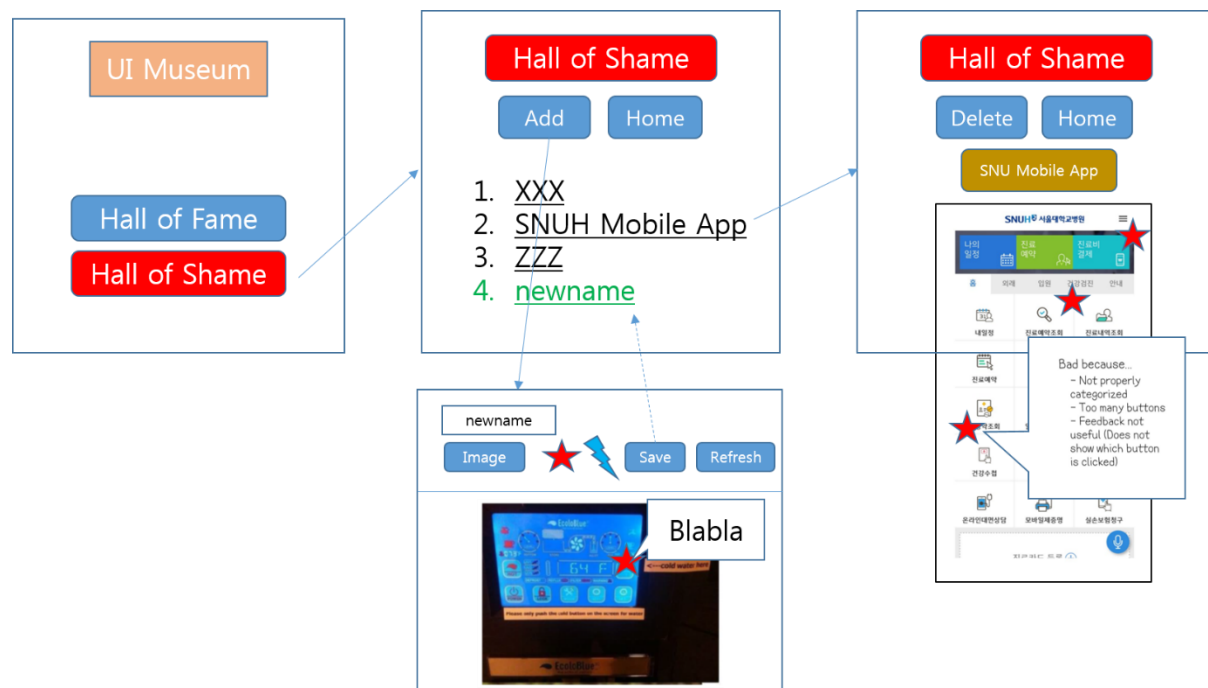**Human Computer Interaction, 2022 Fall**

Homework 3

3-1: HTML and Javascript (Due Nov. 13)

Build a simple web page for creating the "Hall of Fame and Shame of UI Design", using the HTML 5 and Javascript. This is an HTML/JS exercise and no ergonomics or usability issues need to be addressed.　Here is the approximate specification and requirements.　This is only rough specification, so go ahead and add any other necessary functions. Do not make the system complicated – a minimum functions to post/edit use cases will be enough.　The look of the system below is just an example.　You are free to make your own design.　Server based implementation is not necessary.　The web page running locally is sufficient.

1. Entry page with title and two buttons which jumps, upon press, to "Hall of Fame" or "Hall of Shame"
    A. When jumping, you can use the same frame or pop up a new browser frame.
2. Based on the choice made, a sub page is shown with:
    A. Title
    B. Two buttons (or more if needed)
        i. Home button to allow the user to go back home (entry page)
        ii. Add button to add a new use case

1. A new empty frame with editing menu is opened.
2. User is asked to enter the name (in text)
3. Short menu pallet/buttons appear so that the user can load an image, add markers, enter balloon text to the marker, remove/erase markers, refresh the screen, save the use case.   You may add other editing functions as needed.
    A.   Saving the use case should update the list of use cases.
   C.   List of use case links
    i.   When a link is pressed, it should pop up a new frame and show it with an image, star marks, and position activated balloons which contain descriptive text (balloons appear when the cursor is over the star mark and disappear otherwise).
        1.   Title
        2.   Two buttons (or more as needed)
            A.   Delete: to delete the use case (list of use case should be updated)
            B.   Home: to return to the entry page

What to submit:
1. Source files (zipped) with "index.html" that starts up the entry page.
2. Optional: Demonstration video

3-2: Detailed Design / Wire-framing for Art making App/Service (Continued)
(Due Nov. 20)

Detailed Design / Wire-framing: Sketch out the interaction flow and detailed design of your WIS app using a wire-framing tool such as Adobe XD or Figma. If Adobe XD/Figma cannot fully describe your design, you can use Powerpoint/Word (or other medium) along with the wire-framing tool.   For instance, if your application includes an external IoT device or AI module, you can separately describe its prospective working in Word or Powerpoint, or attach captured drawings in the wire-framing file. Your presentation should highlight the major distinguishing features and include justifications for your design. You are free to update your interaction and interface design from Homework 2-2.

What to submit:
3. Two videos (a, b) and source files (c).
    (a) Powerpoint presentation (~5 min) explaining the main features of your design

(b) Demonstration video (e.g. simulation run of the wire-frame)

(c) Wire-framing files / any additional documents which should include short explanation of why you designed things the way they were.