**Group HW: Real Estate Interface**

Grab a copy of the HTML from here:  
<http://cgi.soic.indiana.edu/~johfdunc/real_estate.html>

For this assignment, you will write a .cgi handler for this .html page. If you choose to have your .cgi page link back to itself, make sure there is no way this can result in an infinite loop! (i.e. don’t attempt to open and read from it as a URL)

1. (25 points) Create **real\_estate.cgi** and enable display of all records in the Person table (the View All Clients link should work), then modify **real\_estate.cgi** to enable display of all records in the House table (the View All Houses link should work). Use tables.
2. (30 points) Enable the user to edit (view, then save) records in the Person and House tables (the Edit links in both listings should work). Use forms.
3. (20 points) Enable the user to delete records from the Person and House tables (the Delete links in both listings should work).
4. (25 points) When displaying houses, instead of displaying their Owner as a number, display the Owner’s name. When displaying houses, if there is no one in the Person table whose **PersonID** matches the Owner for a house, don’t display that record. Instead, give the user a warning at the top of the page.
5. (10 points BONUS) Enable the links at the top of the Current Clients and Current Houses tables that allow the user to re-order the table by sorting the data differently. See my example for how this looks when it’s working.

Your solution should look like

<http://cgi.soic.indiana.edu/~johfdunc/real_estate.html> and should exhibit the same behavior. The bonus is implemented so you can see how it works.

**Because this application is live and DELETE and UPDATE are involved, please be courteous to other groups and only alter data that you’ve created.**

**Submission**

Upload your programs to Oncourse under Assignments -> Assignment 7 (Group) as .cgi and .htmlfiles. Name your files ***YourUsername\_A7\_real\_estate.cgi***, and ***YourUsername\_A7\_ real\_estate.html***   
You should also have your files online in your **cgi-pub** folder so that they can be accessed through the normal URL.

Include the following information as a comment at the top of the file you submit:

 Your name

 Your group number

Make sure you submit a copy of the I211 Homework Team Feedback Form (found on Oncourse). You must submit a copy of this form with every homework or lose 50% of your grade!

**Each member of the group must submit their own copy of the homework!**

Test your code thoroughly!