

# ICS4U Learning Project

## Major important deliverables

**Project is due  
Wednesday Apr. 15**

### Page displays:

- Lists of all customers from the database in alphabetical order
- If customer has any associated addresses, they are listed next to the customer's name
- All names and addresses are editable via mouse-click (see below)
- There are two buttons on the page: add new customer, add new address

### Editing information:

- When a customer's name is clicked on, a modal should appear that will contain the existing information in an appropriate editable form.
- When an address is clicked on, a modal should appear that will contain the existing information in an appropriate editable form.
- When either modal's form is submitted, SQL database will be updated, and the updated list should now be shown.

### Special notes:

- When an address is added or edited, there should be a drop down (select field) that allows the user to select which customer this address belongs to.
- All data should be generated via PHP after pulling the information from the SQL database.
- Do not duplicate the "ERASE" button, it is only there for ease of debugging.

See the example web page at: <https://wcss.emmell.org/emmell/ics4u/learning-project/>

Description	R	Level 1	Level 2	Level 3	Level 4
Deliverables 50%	Site did not meet at least half of the required deliverables	Site meets at least 50% of the required deliverables	Site meets at least 60% of the required deliverables	Site meets at least 75% of the required deliverables	Site meets all required deliverables and functions identically to the example.
PHP Code 20%	PHP code does not function correctly or is very inefficient.	PHP code at least uses loops to manage arrays of data effectively.	PHP code is reasonably efficient and uses the PDO model for database calls.	PHP code is reasonably efficient, uses some functions, and uses the PDO model for database calls.	PHP code is efficient, uses functions, and uses the PDO model for database calls.
JavaScript Code 20%	JS code does not function properly.	JS code works properly for at least the customer editing.	JS code mostly updates the fields for editing, but there are some glitches	JS code uses functions and properly updates the modal fields for editing.	JS code is efficient, uses functions, properly updates modal fields for editing
Code Styling 10%	Code has not been formatted well, or has inappropriate variable names	Code has some elements of good formatting	Code has many elements of good formatting	Code is mostly well organized, tabbed, well spaced with good descriptive variable names.	Code is very well organized, tabbed, well spaced with good descriptive variable names.