

CIS 658 Web Architectures
Winter 2019
Homework #6
Due: February 21, 2019

JavaScript / JQuery Exercises

Instructions: Pair up in teams of two and complete the following exercises using <http://jsfiddle.net>. You should use pure JavaScript for 6, 7. You should use jQuery 3.3.1 for 8, 9. You are also welcome to use any additional libraries/plugins based on jQuery on problems 8, 9.

Problem #1:

Code up a web form with three appropriately labeled fields: name (text, 24 chars max, mandatory), age (numeric, mandatory) and gender (male/female, mandatory). Write validation code in JavaScript that runs when the submit button is pressed. Whenever a field does not meet the input requirements a descriptive error message (boldface red) appears to the right of each invalid field. You do not have to actually write up the server side script (e.g. specify an action of “#”).

Problem #2:

Create a simple checkout form that collects a billing address (name, address, city, state, zip) and shipping address with the same fields. Add a checkbox over the shipping address with the label “Shipping address is the same as billing.” If the user clicks on the checkbox, then automatically transfer the contents of the billing address fields into the shipping address fields and disable the shipping fields for entry. If the user unchecks the box, the contents of the fields should be left as is, but the fields should once again be enabled.

Problem #3:

Implement #1 above using jQuery. (Feel free to use the jQuery form validator plugin.)

Problem #4:

Implement #2 above using jQuery.

Deliverable:

Either

1. email me the jsfiddle URLs,
2. email me the code, or
3. post it where I can both run it and examine the source.