

## Lab # 1

**Due: by midnight Sunday, Feb. 18, 2018.** You will submit this lab through TURNIN. This lab will NOT be accepted after midnight, Wednesday, Feb. 21, 2018. A 10% per day late penalty will apply. You should work independently on this lab.

To receive credit for the lab you must zip and submit all required files through TURNIN by the due date. The registration form created should have a pleasing appearance. Providing only minimal requirements receives only an average grade.

The NCHA (National Cutting Horse Association) needs an online registration developed for upcoming weekend cutting horse competitions. Knowing that you have experience with web development, you have been asked to create the client-side on-line registration page.

Requirements are as follows:

- Create a skeleton home page for the National Cutting Horse Association that provides a **Register Now** link for the upcoming month's Saturday events. (A header, logo image, and the registration link is all that is required from the home page.) The registration link should take the user to a registration page.
- The registration page should request the following information from contestants. "\*" indicates required entries. JavaScript client-side validation should be performed. Use selectable form elements where appropriate.
  - **First Name\*** - Should be validated one upper-case alphabetic character followed by one or more alphabetic characters.
  - **Last Name\*** - Should be validated as First Name.
  - **NCHA ID\*** - Should be validated 6 digit numeric.
  - **Email** - If present, should be validated to include at least 3 characters before and after the "@" and exactly 3 characters after the ".". For example, xxx@yyy.zzz.
  - **Phone\*** - Should be validated to be 999-999-9999 format.
  - **Show Date\*** - Should be able to select the desired show date. (Provide 4 dates to choose from.)
  - **Class Entry\*** - Should allow the contestant to select one or more classes (maximum of 3 classes) in which he wishes to compete on the date selected. The classes are shown in the fee schedule given below.
  - **Additional Fees** - Stall rental (\$30) or RV hookup (\$35). These are both optional. Both may be selected.
  - **Payment Method\*** - Should be a selectable credit card type - Mastercard, VISA, or Discover.
  - **Card Number\*** - Should be validated numeric.
  - **Expiration MM\*** - Should be a selectable month.
  - **Expiration YY\*** - Should be a selectable year in next 5 years.

- Class entry names and fees are given below.

<b>Open</b>	<b>\$300</b>
<b>Non-Pro</b>	<b>\$300</b>
<b>25K NNP</b>	<b>\$250</b>
<b>50K Amateur</b>	<b>\$250</b>
<b>35K NP</b>	<b>\$150</b>
<b>15K Amateur</b>	<b>\$150</b>

- Entries should be validated when the SUBMIT button is pressed. If there are invalid entries, an alert should notify of all errors on the submission (at the same time), all invalid entries should be highlighted, valid entries should remain on the form so the user does not have to re-enter, and focus should be set to the first field in error so the user can begin reentry.
- After completing a valid registration and pressing the SUBMIT button, the total show cost should be calculated and displayed. Submission should NOT occur if there are errors or information missing in required fields.
- For this first lab, web pages should be created by hand, without the aid of advanced HTML editors. All pages you create should be valid HTML5 and use XHTML syntax for the case of tags and attribute names, quoting, proper nesting and terminating tags. One well planned external style sheet that provides styles on your site is required. The CSS should validate as well. Your pages should look professional, i.e., include a logo, establish the organization's colors and use it throughout, ensure that related fields are visually grouped, etc.
- Even though the form will not be processed on the web server at this point, it should be submitted with the **method="GET"** and the **action="..."** attributes so that name/value pairs display in the URL when the submit button is pressed. Your form should provide both SUBMIT and RESET buttons.
- This lab will be graded using the version of Internet Explorer, Firefox, and/or Chrome available on the Windows machines in the CoSc Labs (TUC331) so make sure your pages are compatible with those browsers.