

Regis University CC&IS
CS336 Web Programming
Assignment 5b: JavaScript - Cookies, Updated Poll and User Registration

Program Requirements

In this assignment, we'll store the user's registration information in a cookie. Then, if the user comes back to the registration page and types in a conference ID number, it will look for the information in the cookie. If it is there, it will pre-populate the fields with the correct information. If it isn't there, then an appropriate message will be displayed to the user.

Additionally, we'll update the Poll from the last assignment so that the browser keeps a running tally. The vote totals will be stored in a cookie and retrieved, updated, displayed, and stored again every time the user votes.

Steps for Completing the Assignment

Create a New Project (based on the previous assignment's code)

1. Duplicate the directory for the previous assignment. Rename the directory `lastname-Assn5b` (e.g. `Smith-Assn5b`)
2. Create a new project in WebStorms called `lastname-Assn5b` (e.g. `Smith-Assn5b`). (Use the directory you created in step 1.)
3. For this assignment, we will assume the user has both JavaScript and Cookies enabled in their browser.

User Registration Information

4. Add a new text input field to the top of the registration form: conference id number. Each registrant will have a conference id number. It is six digits. (123456)
5. When the user clicks "Submit" on the registration form, all the registration information should be stored in a cookie with that id number.

Hint: Create a string of all the user information for the cookie value. For example:
`firstname:Jill;lastname:Jackson;address:123 Main St...etc.`

Then, store the cookie using the conference id number as the key in the `key=value` pair.

6. When the user returns to the registration form and enters their conference id number, the page should retrieve the information and set the values on the form to match the data in the cookie. For this exercise, the user will have conference id number 123456. You'll need to think about how to set up an eventlistener to see if someone enters a conference id number. *Don't use an extra button.*

7. When the cookie is retrieved, you will need to write a method to parse the value string and match it to the fields in the form. ***This isn't trivial and is very detail oriented. Allow enough time to do so.***
8. If no conference id is entered, then the user is assumed to be a new registrant and will just fill out the form. Upon submission, the conference id of 123456 is assigned and the registrant's information is stored in a cookie.

Note: This is not a typical way to handle registration data. However, since the course has not yet covered server-side programming, we are not able to actually submit the data (and keep it safe.)

Poll (Updated Version)

1. Create a div or span next to each nominee. In that element, we will display the current total vote for the nominee. To do so, you'll need to use `textContent` or `innerHTML`.
2. When the page loads, retrieve the vote cookie and display the totals. If no cookie is available, initialize the values to zero.
3. When the user submits a vote, update the total and store the values in a cookie.

Extra Credit

To earn 10 points extra credit, add a widget or feature to the site from one of the JavaScript libraries. It must be appropriate and useful for the site and integrated into the design.

Do not attempt to do this until you've completed the base assignment. The base assignment must be working correctly for extra credit to be given.

Testing

9. Use WebStorm's "Inspect Code" command to make sure that the code validates and is free of errors.
10. Test the site in Chrome and Firefox, both at full size (desktop). Then, in Chrome, test the site at these mobile sizes:
360 x 640 (Phone)
768 x 1024 (Ipad or tablet)
11. Take a screenshot of each and store the images in a folder inside the project called "screenshots". (You'll need to create this folder.) There should be four screenshots submitted.

Submission

This programming assignment is due by midnight of the date listed on the Assignments page.

Zip all the files that comprise the project and submit the file to the “Assignment 5b: JavaScript Cookies Registration Information” dropbox (located under the Dropbox tab in the online course).

Before submitting your program file, you **MUST** re-name it as follows:

 Lastname-Assn5b.zip

 For example: Smith-Assn5b.zip

To submit your assignment completing the following steps:

1. Click on **Dropbox** in the course Navigation bar.
2. Click on the **Assignment 5b: JavaScript - Cookies, Updated Poll and User Registration** link in the Folder List.
3. Click on the **Add a File** button
4. In another window on your computer, browse to the zipped file you created.
 - a. Drag and drop the file to the area within the dotted lines.
5. Click on the **Add** button
6. Click on the **Submit** button.
7. You will receive a **Confirmation email** for the submission.

Grading

The rubric that will be used to grade your program is linked on the same assignments page from which you downloaded this file.

WARNING: Programs submitted more than 5 days past the due date will **not** be accepted, and will receive a grade of 0.