

Assignment 2 –Personalized Website

Released: Feb 18, 2013

Date Due: Mar 22, 2013, Midnight*

***(To prevent confusion, it is listed as 11:55pm on the website. You will not be penalized for submitting between 11:55pm and midnight)**

Assignment Mark Total: 100

Assignment Value: 20% of overall course mark.

MacroPlay Games and Video is pleased with the initial site that you have presented them, and would like to expand the site to include some new items. In particular, they would like to personalize the experience for users on their site. To that end, they would like to add three major features.

Feature 1 – Persistent Customized Look (20 marks)

1. Using the Web Storage API, store the most recent style choice for the website made by the user. You should modify the code that you created for Item 4 for Assignment 1 to switch between the styles so that when the user returns to the site the next time, it presents the same style choice that they previously made. If they change the style after that, store that new choice.

Feature 2 – Data Entry Form Page (60 marks)

1. Create a new page called userform.html and link it to your <nav> bar.
2. Create a user form that stores information about the user. The form must include a text box for user name, a password box, an email box, a date box for birthday, a telephone box, and a text area for personal description or quote. It should also contain a select list, a radio button set, and a checkbox for topics of your choosing.
3. All form controls should be validated when modified, and you should have submit and reset buttons. Saving and resetting data should require confirmation.
4. Persist the data from the form in an indexedDB. When the database is initially created, after everything is set up, automatically add an account named “admin”, with the password “admin”. The other fields can be left blank, as the user will only be used for feature 3.
5. Place a login box in the corner of your home page. When the user logs in, look up their information in the indexedDB. If found, note that they are “logged in” and present them a greeting on the page (“Hello ...”) and a logout button (you can restyle the login button).
6. If the user is logged in, when they go to the userform page, retrieve their user information and pre-populate the various boxes. If they click the save button, treat this as an update.

Feature 3 – Administrative Management Page (20 marks)

1. Create a page called admin.html and add it to your <nav> bar.
2. If the clicks on the <nav> bar for the admin page, and they are not logged in as the admin user, give them an alert telling them they do not have administrative access. If the user attempts to access the admin.html page directly, and they are not logged in as the admin user, return them to the home page instead.
3. On the admin page, output all users in the indexedDB in a list, excepting the admin user. Add a delete button to each row, which will remove the user from the database. Include a confirmation prompt so that the admin user must confirm that they want to remove the user.

Item 4 – Flashy Stuff (20 Marks)

1. Using JavaScript, set up either your video player, your first page, or your second page (excluding the video player) to be restyled in one of three different styles based on the selection of html elements (ie. Clicking on a div tag). Create three different styles for your chosen item, with at least one using an image-based background.