Project #2

CSci 130 – Web Programming

Strict deadline: Monday December 4th, 2017.

The goal of this project is to create a website (a set of webpages) that allows people to add items in a database and browse among a list of items and to give comments on the different items.

An item can be a car, furniture, bike, computer…

You project must contain:

- A class person
  - First name, last name, address, email address…
- A class Item
  - Name, price
  - Date of the first entry, date of the last modification
  - Two children classes representing two special types of item of your choice.

The main page contains input to login (email + password) into the system so it is possible to know which user is using the system, if the user does not exist, it will be possible to create an account.

The page that provides the list of items allows to browse among the different items with buttons [next] and [previous].

The database contains a table related to the people who have an account, a table related to the description of all the items (or tables for children), and a table of messages corresponding to the comments.

Each user can create an item, which cannot be edited by other users. Only the person who created the item can modify the item. The administrator (special user) has the ability to remove any comment or item by using commands through the website.

On the page presenting each item, it is possible to add comments in a message box. Each posted comment will be displayed in the page, showing the comment, the name of the person who posted the comment, and when it was posted.

Technical aspect

You will use a combination of HTML, CSS, Javascript, and PHP for the creation of this site.

The presentation on the different pages should be consistent in regard to the use of CSS.

Provisional marking scheme (each element is worth 1 mark)

1. The page site is operational
    a. The project is working as a whole
2. Structured HTML pages with a clear separation between presentation and semantic of the elements on the page
3. Consistent presentation across the different pages with CSS
    a. With an effort to make the presentation of the different fields clear and appealing
4. Commented and well-structured code
    a. Use of classes
    b. Functions to transfer data into objects, GUI information into object
    c. Files with code in PHP, files for code in Javascript, CSS file
5. Page to login on the system with the appropriate functions
6. Page for the creation of a new user with the appropriate functions
7. Page for the presentation of an item
8. Functions to identify a new user
9. Communication client/server/database to browse among the different items
10. Possibility to save and open the modifications of the database
11. Possibility to edit and save an item for a user who did create the item or for the admin
12. Possibility to search an item based on a particular property (e.g. name)
13. Possibility to sort the items based on a particular property (e.g. name)
14. Addition of comments on each item depending on the type of the user
15. Creation of a database to use and test the system