CWEB 2116 – Homework 4 Documentation

Login screen:

Pressing the “Login” button without the correct username/password combination will result in an error message (which is in the “Validation Error Message” section), and pressing “Exit” will close out the program

A screenshot of a computer

Description automatically generated

Search:

Users can search by Name, Category, or Status, and the item image will appear when the item is clicked on. Display all records will go back to displaying all of them and clear the search

A screenshot of a computer

Description automatically generated

The search merely requires that field indicated contains the typed words, so “saw” catches both something like “Handsaw” and something like “Table Saw”. Once the user has selected a search parameter and hit search, the results will show up in the data grid (not selecting a parameter will cause an error message to appear, as shown in the “Validation Error Message” section and not putting any text in the search bar will cause all records to appear). The “Edit” and “Delete” buttons do not appear until an item is clicked on in the data grid.

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Description automatically generated

Users can also search by category, and this functions in the same way as searching by name does

A screenshot of a computer

Description automatically generated

Users can also search by status, and this functions in the same way as searching by name does

A screenshot of a computer

Description automatically generated

Insert:

The category option in the insert page is a drop-down menu containing the categories that I outlined in my code, and the status variable is set by clicking on one of the radio buttons (the other will unselect automatically), and status is technically a string were the radio button that is clicked will set the string through an if/else statement. Not selecting any of the options (name, category, or image since status is automatically set to “In Stock” upon opening the page) will result in a specific error message saying to fill in that field if the user tries to save. Clicking on the “Clear” button will make all of the fields empty again including the image without saving anything to the database

A screenshot of a computer

Description automatically generated

Adding a new photo will automatically display the selected image in the picture box

A yellow hard hat on a red background

Description automatically generated

After the item is added to the database, there is a message displayed telling the user this, all of the values are reset back to be empty again, and the user is allowed to insert another tool if they wish. The “Back” button will take the user back to the view page that they came from, and the “Logout” button will take the user back to the original login page

A screenshot of a computer

Description automatically generated

Edit:

Clicking on the edit button on the view page will redirect the user to the edit page for the specific item that they were clicking on on the view page. From there, the edit page functions very similarly to the insert page, just with the values already assigned and the query updating the table for the id previously selected rather than inserting a new one. There are the same error messages (once more showed in the “Validation Error Messages” section) as on the insert page.

A yellow hard hat on a red background

Description automatically generated

A yellow hard hat on a red background

Description automatically generated

After hitting save, the user will receive a message saying that it updated successfully, and then they will be redirected to the main view page.

A screenshot of a computer

Description automatically generated

Here is a display on the view page showing that we have updated the record (I already had a hard hat in the system before I did my insert above. That is why there is two of them. Additionally, the second one will be used for my delete button demonstration)

A computer screen shot of a yellow hard hat

Description automatically generated

Delete:

As the delete button does not appear until a user clicks on a specific item, they merely have to hit the button and the record will be deleted, and the user will receive a message stating that it was deleted successfully.

A screenshot of a computer

Description automatically generated

Here is a display on the view page showing that we have deleted the record

A computer screen shot of a yellow hard hat

Description automatically generated

Icon on my desktop:

A red square with white letters and a blue arrow

Description automatically generated

Validation Error Messages:

A screenshot of a computer screen

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A computer screen shot of a yellow hard hat

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