

# Advanced Web Programming COMP1230

Assignment 2 Version 1.0

Group Project 18%

Due date: TBA

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# Objective:

Implement a personal classified application using PHP and MYSQL. The application allows an individual (site owner) to showcase the items he/she likes to sell online.

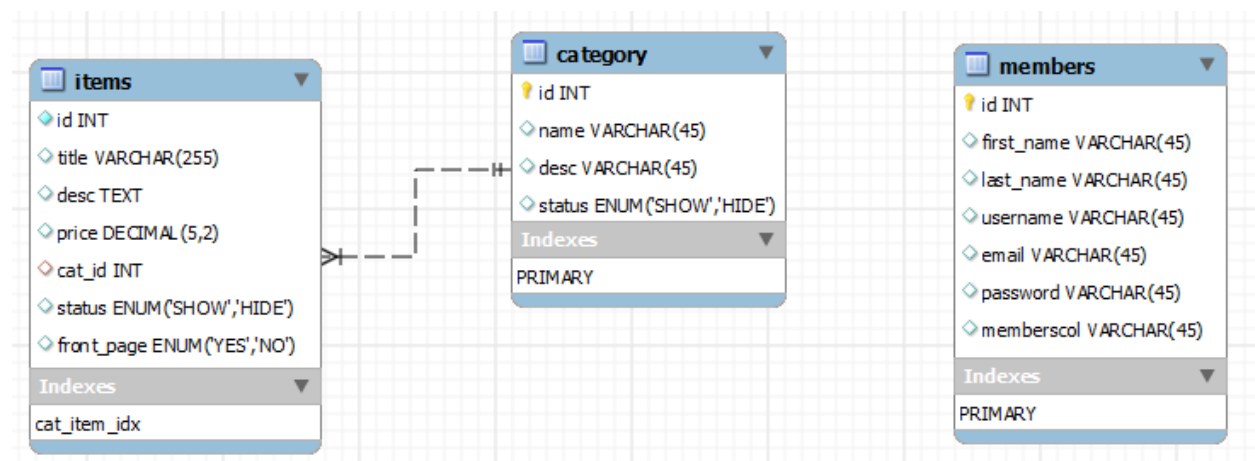
# Background:

You have already created an application that manages personal classified web application using flat files. In this assignment, you will be modifying the application to store the data in the MySQL database. You are required to work with the same member from your first assignment.

Project tasks must be divided equally to all members. You must submit a document containing the list of functions completed by each member along with your final project. (Member name, student id, tasks (related script to each task). The project mark is individual and is assigned based on your participation and team feedback. The team is responsible for completing all the modules regardless of the members' involvement (*make sure to let me know if a team member is not as active as your team is expected*). Make sure to be able to explain your code and responsibilities.

# Modification to Assignment One:

This application will store all persistent data in a MySQL database. Below are two suggested tables that will help you perform all of the related operations:



# Database:

- All records must be stored in the MYSQL database.
- Include an auto-increment id for each record for ease of access.
- Use InnoDB databases if you like to implement rollback/commit operation.
- Using The ENUM field allows you to specify a list of values that are permitted to be stored.

# Operations:

The administrator must be able to perform the following functions:

1. List item (show title, description, category, price, picture and modify and delete option in a table)
2. Edit any item from the list without needing to search.
3. Delete any item from the list without needing to search. (use JavaScript to confirm the deletion)
4. Search for an item by title and description
5. Create a new item.
6. List category (show title, description, number of items, and modify option)
7. Modify a category
8. Add a new category
9. Change administrator password
10. Change a category status to HIDE or SHOW. All the items under the categories with the HIDE status cannot be visible to the site visitors.
11. Manage (add/modify/delete) up to five pictures for each item.
12. Take the site offline for an update, backups or maintenance. When the site is on maintenance mode, the visitors will only have access to the home page with **a custom message posted by the administrator**. Examples: [site is under maintenance](#)
13. Keep track of item views and show the total item views on the item detail page. (challenge log only the unique item views per visitor for each visit)
14. Send a daily email to site admin/s. (use crontab via Cpanel)
  - Email Subject: site report for (report date)
  - Include the following information in the body of the email.
    - The total number of active categories. (status is SHOW)
    - The total number of active items (status is SHOW).
    - List the top five items (based on their total views)
    - List the active categories.

# Validation:

- Make sure all mandatory fields are present when adding or modifying an item or a category.
- In add or edit item/category, if the form is submitted with invalid input (such as an empty field), your program should not discard the previously entered inputs.
- After login, each request ensures that the user has permission to view and operate on the page. (this means he/she has to log in successfully to be able to access the files in the admin area) – Using JavaScript Cookie or PHP session.

## Planning:

To be successful in this assignment, you must spend some time designing the solution. In this stage, you should not think about how to code the assignment. Instead, please step back and model the various pages you need to have, the transitions between them, actions allowed on each page, and how each activity will affect your database or how the database information will influence what to show to the user. Only after you have a good understanding of the solution should you start writing code. You are not required to submit any models.

## Evaluation:

The final assignment will be marked according to how well it meets the following criteria:

Coding style Indentation & comments	15%
Overall design <ul style="list-style-type: none"> <li>- User friendly 5%</li> <li>- Accessibility 5%</li> <li>- Reusability (functions) 5%</li> </ul>	15%
Admin functionality <ul style="list-style-type: none"> <li>- Item (add, delete, modify, picture) 10%</li> <li>- Category (add, delete, modify) 10%</li> <li>- Error handling 10%</li> <li>- Hide /show item 5%</li> <li>- Hide /show category 5%</li> <li>- Show item on home page 5%</li> <li>- Security (reject unauthorized access) 10%</li> <li>- Manage up to five pictures per item. 2%</li> <li>- Site maintenance mode with a custom message. 5%</li> <li>- Record and show Item views. 3%</li> <li>- Daily email (crontab) 5%</li> </ul>	70%

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# Submission:

Please follow the instructions listed below to submit your assignment. (missing any of the following steps/information will result in zero marks)

1. Upload your assignment to the following directory on your team account.  
/public\_html/comp1230/assignments/assignment2/
2. Make sure to hardcode the admin username and password in the login form.
3. Create a folder called docs inside assignment2 folder.  
(public\_html/comp1230/assignments/assignment2/docs/)
  - Zip assignment two files (called group\_account\_username.zip example F0TDD.zip) and upload it to the docs folder.
  - Upload a PDF file called members.pdf to the docs folder containing the following information.
    - Add your lab instructor's name.
    - Include the full names and student ids of all team members.
    - For each member, list the tasks and the scripts they have completed.
4. Please send an email with the subject line "**F0TDD Final Assignment**"( where F0TDD is your group username) to your lab instructor
  - Include
    - Direct URL to your **assignment two** (GBLearn team account)
    - Direct URL to **members.pdf** and
    - Direct URL to **F0TDD.zip** files in your team account. (make sure the URs are working)

Please note for this assignment, you are required to use the MySQL database. Using a flat file will result in zero marks.

Continuously upload and test your local code in your team account. Your final assignment must fully work in your GBLearn team account; **otherwise, you will receive zero marks for the assignment.**

Please visit <https://gbc.mobihelp.ca/> for extra help and post your questions on the Blackboard discussion forum.