**Topics**: Photo-Gallery-04

**Instruction**

For the future upcoming tasks, we are going to build a photo gallery system, that will include the following features

* There will be a public user site where visitors will be able to see photos uploaded by admin
* Admin user that will be able to login to its dashboard
* Admin will be able to upload files and store them in database
* Admin actions log files will be maintained.
* Admin will be able to logout from the Admin Dashboard
* User will be able to add comments on the photo

**Project Structure**

* **Includes**
  + Config.php
    - This file contains the Database Configuration information
  + Database.php
    - This file is the main connection class for MySQL Database
  + Database\_object.php
    - This file will be used to save and use Database helper functions
  + Functions.php
    - This file will be used to create and save application helper functions
  + Initialize.php
    - This file is used to include and require all necessary files to run the application
  + Session.php
    - This file is used to save session information, mainly allow admin to login and logout feature using $\_SESSION Global variable
  + User.php
    - This file will contain all the business logic for the user/admin properties and methods.
  + Comment.php
    - This file contains a class for the business logic of comment
  + Photograph.php
    - This file contains class for the business logic of adding photographs into the database.
  + Pagination.php
    - This class is used to create pagination on the gallery view side.
* **Logs**
  + This folder will contain all the log files created by our application
* **Public**
  + This is the directory from where our traffic will be served. It contains following directories
    - **Admin**: this area contains all files related to admin dashboard
    - **Images**: this folder will contain all uploaded images
    - **Javascripts**: this folder will contain javascript files if required
    - **Layouts**: this folder will contain our header / footer layouts as they are common on each page.
    - **Stylesheets**: this folder will contain our styles / css

**Requirements**

* **Admin Panel:** 
  1. URL: localhost/photogallery/public/admin
  2. Find All Photographs and list them on list\_photos.php
  3. The Photographs Table should have following Columns
     + Image
     + Filename
     + Caption
     + Size
     + Type
     + Comments Count
     + Delete Action
  4. Implement Delete Photograph Functionality when admin tries to delete an item by clicking on the Delete button in the Delete Column of the table.
  5. Finish up Upload a new Photograph Functionality. When admin tries to upload a file, it should be saved in the following directory
     + Photogallery/public/images
  6. When Image is uploaded it should also be saved in the **photographs** table
* **User Panel**
  1. Enlist all photographs uploaded by admin. ( Done )
  2. One page should contain only three images ( Done )
  3. Apply Pagination on the **public/index.php** page.
  4. One should move to next page, previous page and numbered pages
  5. In the **public/photo.php** file, there is a New comment Section.
  6. Implement the functionality of adding a new comment on the photo.