**Topics**: Photo-Gallery-03

**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 ( Done )
  3. The Photographs Table should have following Columns ( Done )
     + 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. ( Done )
  5. Finish up Upload a new Photograph Functionality. When admin tries to upload a file, it should be saved in the following directory ( Done )
     + Photogallery/public/images
  6. When Image is uploaded it should also be saved in the **photographs** table ( Done )
* **User Panel**
  1. Enlist all photographs uploaded by admin.
  2. One page should contain only three images
  3. Apply Pagination on the **public/index.php** page.
  4. One should move to next page, previous page and numbered pages