**Topics**: Creating Logs for our Applications

**Instruction**

For the 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

**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.
* **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

**Requirement**

* Complete functions of **functions.php** Class
  + **redirect\_to ()** complete the function whenever it is called the page should be redirected to $location. Use header() function.
  + **log\_action ()** complete this function such that whenever it is called it should save a log into the log file.
  + **Public/admin/logfile.php**
    - When $\_GET[“clear”] is passed in the URL, this file should clear all the logs present in the file.
* **Sample Logs**
  + 2019-11-11 08:19:44 | Logs Cleared: by User ID 1