Project 1- Part 1: This is the part 1 of Project 1 which should be in group of two in the class.

- You should collaborate together to complete this part of the project during the class and submit it by the end of the class today.
- You are allowed to use any material from the internet, but those materials should be relevant to our course and you should be able to answer any question about what you submit at the end.
- You can do brain storming with other group, but any form of sharing work/code is strictly avoided.

Project description: You are working as PHP developer in XYZ Company. You are asked to design a web application using PHP/MySQL for the Help Desk department which fulfills the following functionalities:

1) When users have any IT problems/technical issues/incidents in their office, they should able to report the incident through the web application. The company has two groups of users: **employees** and **guests**. Employees have their user-account to report the incidents, however those without user-account (visitors, contractors, guests,…) are required to create an account before they report any incident.
   a. The Admin user can create an account for the employees by considering their emp-id, name, email , … .
   b. For the non-employee users, they should create their own account before reporting any incident. These users should enter username, password, the Cellphone no and email along with the name/address. The login information should be stored in the database-table.
   c. The main difference between employee and guest account is for the guest account; there is not any emp-id value.
2) To report an incident, after user logs in, the user should enter the "incident name/category", "description", "Level of Urgency", "location" and "email". This data should be stored in the database-table
   a. All the "incident names/categories" are available in the database-table (some example of this incident list like, "Internet-disconnected", "Login-failed", "Wifi-Error", ….). It includes "incident-id", "incident-name", …
      i. The Admin user should able to update this list.
3) The company asks you to add the following security feature to the program:
   a. If the user doesn't have a valid user account, the user can't submit any incident report
   b. Add proper form validation features to the all webforms
   c. When user submits an incident report, develop a program which adds the username and the current time/date to the LOG file. The LOG file is a normal text file which keeps the user interaction with the site. Each time that user submit a report, a line of data including the username and current time/date will be added to the LOG file.
4) The company asks you to provide the following functionalities for the Web site Administrator. When the Admin user logged in into the web application, the admin user can performs the followings:
   a. Can see all user accounts or do SEARCH to find a specific user account
   b. Can see all submitted reports by user or do SEARCH to find a specific report
   c. Admin user can enter/update list of all incident-categories/names in the website. The incident categories info is stored in the database-table. When user wants to submit a report, the user should select the "incident-category/name" which exists in the database.

Question 1) Based on the abovementioned description, develop a plan and divide the work between group members.

Question 2) Design the database in PHPmyAdmin You can use your creativity to design the database tables which match with the above-mentioned requirements

Question 3) Design Webforms. You can use your creativity to design it.

Question 4) Develop PHP coding.

Submission:

1) The document which shows how you plan the work and how you divide the work
2) All HTML/PHP source codes
3) Exported database

NOTE: you need to submit everything that you implement by the end of class, even if it is not working properly.

My expectation

- I understand completing this project in 1:30 hours is supper challenging, but try your best to divide the work into small chunks/blocks, assemble blocks and finalize it.
  - If you couldn't complete the whole steps, it is absolutely fine. But try to have something tangible at the end to submit.

- Use your creativity in order to design this program using different structures/concepts that we have learned so far.
- **Be professional in programming:**
  - **Try to use comments wherever required.**
  - **Use proper names for DatabaseName, TableName, TableColumnName, variables and functions**
  - **Use proper/meaningful messages in order to interact with user**
  - **Apply proper error management/handling (on user inputs, data processing, …) and display proper error messages accordingly**

  Happy Coding! & enjoy the project!