Open Source Programming

Project

Group:

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Project Plan:

1. Understand the requirements;
2. Define the required web pages;
3. Define the database requirements;
4. Define the functionality requirements;
5. Divide the work between the team;
6. Develop the project as defined above;
7. Integrate the project;
8. Test;

Required Web pages:  
1. Login page - name: login page.html & login page.php;

2. Create an account page for guests - name: create\_guest\_account.html & create\_guest\_account.php;

3. Submit report - name: create\_report.html & create\_report.php;

4. Administrator account page which links to four different options -name: admin\_account.html:

* the search for a user account - name: search\_user.html & search\_user.php;
* sees all submitted reports - name: search\_reports.html & search\_reports.php;
* Update the list of incident category/name - name: update\_incident\_list.html & update\_incident\_list.php;
* Create a new employee account - name: create\_emp\_account.html & create\_emp\_account.php;

Other requirements:

1. Security:  
   A. Log file - PHP to create and update the log file;
   1. Log file must contain username & time

Database Structure:

1. Create a database to contain all the stored info - name: XYZCompany;
2. Create a table for employee and admin accounts - name: emp\_accounts:
   1. Username - varchar (20) - PK:
   2. Password - varchar (20):
   3. Emp\_id - varchar (4);
   4. Phone - varchar (12);
   5. Email - varchar (20);
   6. FirstName- varchar (20);
   7. LastName- varchar (20);
   8. Address- varchar (50);
   9. category\_emp- varchar (20);
3. Create a table for guests accounts - name: guest\_accounts:
   1. Username - varchar (20) - PK:
   2. Password - varchar (20):
   3. Phone - varchar (20);
   4. Email - varchar (20);
   5. FirstName- varchar (20);
   6. LastName- varchar (20);
   7. Address- varchar (20);
4. Create a table for report information - name: reports:
   1. report\_id - Varchar(5) PK;
   2. Incident\_name - varchar(20);
   3. Description - varchar(100);
   4. Urgency\_level - varchar (20);
   5. Location - varchar(20);
   6. Email - varchar(20);
   7. reportedBy - varchar(20) - Username that submitted the report;
5. Create a table for incident category names - name: incident\_names:
   1. Incident\_name - varchar(20);