Web Application Mock Project

SocialNet Project

This assignment requires you to implement “Social Network” web application project with the following specifications:

- Create a github repository in your personal GitHub account to store your project code.
    - Do not share Github account.
    - Set your repository visibility to “public” when you submit
- Use PHP, MySQL, Nginx and Linux as your “techstack”
- Database: The application uses a database named “socialnet”. The database contains a single table “account” with the following columns (you can decide column names and column types as long as it is reasonable):
    - Id
    - username
    - fullname
    - password
    - description
- The application should implement the following pages
    - Admin Page:
        - URL: /admin/newuser.php
        - Description: Form to create/add new user to the system
    - SignIn Page:
        - URL: /socialnet/signin.php
        - Description: Login page using a user account created by Admin Page. After successfully signing in, user should be redirected to Home Page.
    - Home Page:
        - URL: /socialnet/index.php
        - Description:
            - This is Home page of the app. If the user is not logged in, the page should redirect the user to Signin Page.
            - Its main content should show user information including: “username”, and “fullname”.

- It should have a list of other users in the system. The list allows the user to see Profile Page of other users. See Profile Page for more details.
- It should also have a MenuBar for navigating to other pages. See MenuBar for details.

- Setting Page:
  - URL: /socialnet/setting.php
  - Description:
    - It contains a form that allows the user to edit “Profile Page content”. The profile page content can be stored in “description” column of “account” table.
    - It should have Menubar for navitaging to other pages. See MenuBar for details
- Profile Page:
  - URL: /socialnet/profile.php
  - Query string (optional): ?owner=some_user
  - Description:
    - It accepts a query string that contains “owner” to specify the owner of the profile page. If no query string exists, the logged in user is used as the owner.
    - It should indicate the owner of the profile page.
    - It shows “Profile Page content” stored in “description” column that is set by Setting Page.
    - It should have Menubar for navitaging to other pages. See MenuBar for details
- About Page:
  - URL: /socialnet/about.php
  - Description:
    - Simple page that contains “student name” and “student number” (static content).
    - It should have Menubar for navitaging to other pages
- Signout Page:
  - URL: /socialnet/signout.php
  - Description:
    - For signing out.
    - This page after resetting the session data should redirect the user to Home Page or to Signin Page

    - MenuBar:
        - This is a common part of Home/Profile/Setting/About page.
        - It contains menu items:
            - Home : linked to Home Page
            - Setting : linked to Setting Page
            - Profile: linked to Profile Page (no querystring)
            - About: linked to About Page
            - SignOut: linked to SignOut Page
- Your submission is expected to be error-free.
- Your git repo is expected to have “db.sql” that contains SQL statements to create your application DB, and to create tables according your implementation. I will use it for database creation in a new testing environment.
- You can also prepare a README.md with your necessary notes for setting up the application in a new environment.
- You are welcome to extend the application features. The new features should be declared in README.md file.
- Submit your github link (use https) via submission form (Google Form)

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