CS 430 Project Readme

This project is a website that used to demonstrated the use of php and the mysql.

- Set Up the env
  - SQL
    - Go to the Database folder and run those sql in order:
      - create_User_tables.sql
      - wordPartTables.sql
      - partInsert.sql
      - WordInsert.sql
    - Now you have set up the SQL table environment. Continue to next step
  - PHP
    - Install php 7.4 or higher
- Project structure
  - Portal Page
    - Log in and log out
  - Admin Page
    - Manage word, including add and delete
    - Change screen name and password
    - Change user account status and delete account
  - User Page
    - Browse the GRE Word list
    - Change screen name and password

For the first time login, please sign up as common user, then in the mySQL using following to add the first admin

        update username set is_administrator = 1 where username = 'username';

Then log out and login again, now you're the admin!

Also, this project support Session, so make sure you log out after you finished on current page.

Project Language Using
- PHP for the HTML page and Session management, and the connection to the database
- JavaScript in charge of the website behavior, including the button click and the send information to the PHP so it can interact with the database
- CSS is the style file to make this website look good
- mySQL is the website data store and CRUD tool.

Project Highlights
- Session login and log out
- The password encryption and the interaction with the database
- Fully functional JS Asynchronous behavior