Mini Project 4 PART 1: User Registration System

Brief :

Many doctors surgeries are transitioning to an online booking system for appointments. Your local doctors Surgery (Primary Oaks Surgery) has contacted the organisation you work for to design and develop a bespoke booking system for them.

An account system can and is used to track users choices, usages of the site and to grant or prevent access to materials.

To facilitate this, users need to be able to register to a website and have their details stored in a database.

You will design and build a website which takes in basic details via a form and stores them in a database.

Proposal Stage: Look at the problem laid out in front of you and explore the audience and their needs, the alternative products and complete a Proposal Document.

Design Stage: Prepare a well justified design for your system including database structure, key algorithms, interfaces, test user accounts and appointments to be made and anything else that you consider needs to be designed.

Development stage: You will develop version 1 only, and document what you have included in version 1 and why. Show that you have developed it and if anything has changed from the design, why and what did you do instead.

Testing Stage: You should show well thought out and justified tests of your version 1 system with appropriate test evidence, particularly for any failed tests. If you loaded the page, put it in your test table.

Key Information:

Before committing a user to the database, your code must:

- Ensure the username or email address given is unique in the system
- Use your previously built password checker to ensure their password is "strong"
- Collect a suitable amount of data from the user relevant to what you will need
- If the registration fails due to the password not meeting complexity, it should tell them.
- If the registration fails due to any other reason it should give them a generic error message, to ensure you don't give too much away about the system.

Once built, test the system and show evidence that it works as intended above.

Non-Negotiables:

- Web page registration system (other php files as needed)
- An external CSS file linked appropriately
- Use of images and text as and where appropriate
- Functioning password checking tool integrated
- Well structured code.
- Suitable folder structure
- Design for database table
- Testing table and evidence to show functionality of website.

What to submit:

- A zipped file containing:
    o Design documents
    o Appropriate folder and file structure for the website
    o Index.php should be the home page / starting point