Design a login page for the system of your choice and display a welcome page with proper UI

for the authentic users. Make use of PHP database Connection.

Sql code:

CREATE DATABASE IF NOT EXISTS user\_database;

USE user\_database;

CREATE TABLE IF NOT EXISTS users (

id INT AUTO\_INCREMENT PRIMARY KEY,

username VARCHAR(255) NOT NULL,

password VARCHAR(255) NOT NULL

);

INSERT INTO users (username, password) VALUES

('user1', 'password1'),

('user2', 'password2');

Index.php

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Login Page</title>

</head>

<body>

    <h2>Login</h2>

    <form action="login.php" method="post">

        <label for="username">Username:</label>

        <input type="text" id="username" name="username" required><br>

        <label for="password">Password:</label>

        <input type="password" id="password" name="password" required><br>

        <input type="submit" value="Login">

    </form>

</body>

</html>

login.php

<?php

$servername = "localhost";

$username = "root";

$password = "";

$dbname = "user\_database";

$conn = new mysqli($servername, $username, $password, $dbname);

if ($conn->connect\_error) {

    die("Connection failed: " . $conn->connect\_error);

}

if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

    $username = $\_POST['username'];

    $password = $\_POST['password'];

    $sql = "SELECT \* FROM users WHERE username='$username' AND password='$password'";

    $result = $conn->query($sql);

    if ($result->num\_rows > 0) {

        // Authentication successful

        header("Location: welcome.php");

        exit();

    } else {

        // Authentication failed

        echo "Invalid username or password";

    }

}

$conn->close();

?>

Welcome.php

<?php

session\_start();

if (!isset($\_SESSION['username'])) {

    header("Location: index.php");

    exit();

}

$username = $\_SESSION['username'];

?>

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Welcome Page</title>

</head>

<body>

    <h2>Welcome, <?php echo $username; ?>!</h2>

    <a href="logout.php">Logout</a>

</body>

</html>

logout.php

<?php

session\_start();

session\_destroy();

header("Location: index.php");

exit();

?>