**register.html**

**<!DOCTYPE html>**

**<html>**

**<head>**

**<title>Register Form</title>**

**<link href="style.css" rel="stylesheet" type="text/css">**

**</head>**

**<body>**

**<div id="form-container">**

**<h2>Registration Form</h2>**

**<form id="form" action="register.php" method="POST">**

**Username: <input type="text" name="username"><br>**

**Password: <input type="password" name="password"><br>**

**Encryption Key: <input type="number" name="key"><br><br>**

**<input type="submit" value="Register">**

**</form>**

**</div>**

**</body>**

**</html>**

**style.css**

**body {**

**background-color: slategray;**

**font-family: 'Times New Roman', Times, serif;**

**padding: 20px;**

**}**

**h1, h2, h3 {**

**color: tomato;**

**text-align: center;**

**}**

**#form-container {**

**font-size: large;**

**font-style: bold;**

**margin: auto;**

**max-width: 450px;**

**background-color: white;**

**border-radius: 20px;**

**padding : 30px;**

**box-shadow: 3px 3px 5px 5px rgba(100, 100, 100, 0.2);**

**}**

**#form {**

**margin: auto;**

**text-align: center;**

**}**

**label {**

**font-size: large;**

**}**

**input[type="text"], [type="password"] {**

**padding: 5px;**

**width: 200px;**

**margin-bottom: 10px;**

**}**

**input[type="submit"]:hover {**

**padding: 10px;**

**background-color: skyblue;**

**border-style: none;**

**font-size: large;**

**border-radius: 8px;**

**}**

**input[type="submit"] {**

**padding: 10px;**

**background-color: slategray;**

**color: white;**

**border-style: none;**

**font-size: large;**

**border-radius: 8px;**

**}**

**db.sql**

**CREATE DATABASE IF NOT EXISTS Register\_Page;**

**USE Register\_Page;**

**CREATE TABLE users (**

**id INT PRIMARY KEY,**

**username VARCHAR(20) NOT NULL,**

**password VARCHAR(20) NOT NULL**

**);**

**register.php**

**<?php**

**$conn = new mysqli('localhost', 'root', '', 'Register\_Page');**

**if ($conn->connect\_error){**

**die('Connection Failed: '. $conn->connect\_error);**

**}**

**function encrypt\_shift\_cipher($password, $key){**

**$encrypted\_password = "";**

**for ($i = 0; $i < strlen($password); $i++){**

**if (ctype\_upper($password[$i]))**

**$base = 'A';**

**else**

**$base = 'a';**

**$encrypted\_password .= chr(((ord($password[$i]) - ord($base) + $key) % 26) + ord($base));**

**}**

**return $encrypted\_password;**

**}**

**$username = $\_POST['username'];**

**$password = $\_POST['password'];**

**$key = (int) $\_POST['key'];**

**$encrypted\_password = encrypt\_shift\_cipher($password, $key);**

**$stmt = $conn->prepare("INSERT INTO users (username, password) VALUES (?, ?)");**

**$stmt->bind\_param("ss", $username, $encrypted\_password);**

**if ($stmt->execute()) {**

**echo "Registration successful!";**

**} else {**

**echo "Error: " . $stmt->error;**

**}**

**$stmt->close();**

**$conn->close();**

**?>**