

# EsemkaHRSystem



**EsemkaHRSystem** is a comprehensive application tailored for efficient management of human resources within organizations. Specifically designed to streamline employee management processes, EsemkaHRSystem incorporates advanced features to facilitate employee scheduling, register new employee, and checking employee status.

Imagine a bustling workplace where employee schedules need to be meticulously managed to ensure smooth operations. EsemkaHRSystem steps in as the ultimate solution, offering a user-friendly interface for both administrators and employees.

As a developer tasked with developing EsemkaHRSystems, you will create a Windows Desktop application to create powerful and efficient applications tailored to meet the unique needs of modern organizations. By leveraging the flexibility and scalability of C#, you will ensure that EsemkaHRSystem provides a seamless user experience while providing comprehensive functionality for administrators and employees.

## Content

1. EsemkaHRSystem.pdf
2. Database-EsemkaEsemkaHRSystem.sql

## Instructions for Competitors

### 1. Import Database

Import the database from the database script (.sql) that is already provided to you. This is the only database that will connect to your application. **You are prohibited to perform any changes on the database schema.**

## Responsibilities

Description	Tasks				
Project criteria	<ul style="list-style-type: none"> <li>✓ The project name must be in format “<b>Desktop_[XX]</b>” where XX is your PC number.</li> <li>✓ Time management is a crucial thing for this project. So, manage the given time wisely and submit all your works on time.</li> <li>✓ Use this following database connection: <table border="1"> <tr> <td>Server Name</td><td>.\SQLEXPRESS</td></tr> <tr> <td>Authentication</td><td>Windows Authentication</td></tr> </table> </li> <li>✓</li> </ul>	Server Name	.\SQLEXPRESS	Authentication	Windows Authentication
Server Name	.\SQLEXPRESS				
Authentication	Windows Authentication				
Application User Interface	<ul style="list-style-type: none"> <li>✓ Use the given style guide consistently.</li> <li>✓ You are allowed to change some components as long as it doesn't interfere the business logic and flow.</li> <li>✓ There are no bonus marks for design (features &gt; design).</li> <li>✓ Provides scrollbar to user when the contents shown doesn't conveniently fit to the application</li> <li>✓ You must follow all existing components as designed and without missing a single thing, whether it's labels, buttons or images.</li> </ul>				
Validation and error messages	<ul style="list-style-type: none"> <li>✓ The application must runs well without any crashes. Display useful error message to the users when needed.</li> <li>✓ Validation for every input process is a must.</li> <li>✓ Analyze the required validation that is needed in the application. Especially the validations that are not explicitly stated in this project description. This is one of the marking criteria for your analysis result.</li> <li>✓ Specific validation will be included in the project description.</li> </ul>				

# 1. Login Form

This is the first page that users will see when they visit your form. On this page, users can enter their email address or username and password to log in to their account. New employees can also register for an account by clicking on the "Join Now" button.

- **When the user presses the "Login" button, the following will happen:**
  - If your login credentials are valid, you will be directed to your main form based on your Role and Job Position.
  - If the credentials are invalid, you will see an error message **"Please correct the error and try again"**. The error message will tell you what is wrong with your login credentials.
  - If the user's account is not active, the user will see an error message **"Your account is not active. For more information, please contact the Admin or the HR"**. The error message will tell the user that their account is not active and they need to contact the admin or the HR.
  - If the user's account is active but the join date is later than today's date, the user will see an error message **"Your account is not yet active. Your account will be activated on [User\_Join\_Date]. Please wait until then to log in."**. The error message will tell the user that their account is not yet active and they need to wait until the join date before they can log in.
- **When the user presses the "Join Now" label, the following will happen:**
  - The user will be redirected to the "New Employee" page.

**2. Register New Employee Form**

**3. Admin Page**

**4. User Page**

**5. Master Employee Page**

**6. Master Job Position Page**

**7. Master Job Title Page**

**8. Master Work Location Page**

**9. Master Country Page**

**10. Master City Page**

**11. Generate Employee Schedule Page**

**12. Asdasdas**

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**29.**