**Assignment 3**

**Team:**

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**Overview:**

This application is built using C# and SQL for the frontend and backend respectively. The frontend utilizes Microsoft Dot Net Windows Forms, while the backend relies on Microsoft SQL Server Management Studio. ADO.NET is employed to connect the Microsoft SQL Server with the Dot Net Application.

**Features:**

1. Login Feature: Users must provide valid credentials to access the Management Information System Window and perform CRUD operations.
2. Display All Student Records: The application displays all student records stored in the database.
3. Insert New Student Record: Users can add new student records, which are saved in the database.
4. Update Existing Student Record: Users can modify existing student records, and changes are reflected in the database.
5. Delete Student Record: Users have the capability to delete student records from the database.

**Database Setup:**

1. Import the provided assignment3DB.sql file.
2. Open Microsoft SQL Management Studio and login.
3. Open a New Query window.
4. Drag and drop the assignment3DB.sql file into the New Query Window.
5. Execute the entire script.
6. This creates a new database named "University" and populates it with the following tables and sample records:

Address

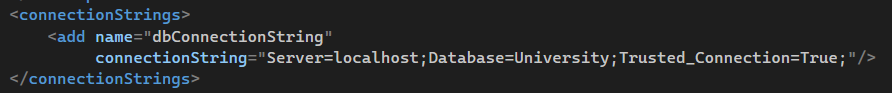
Department

Student

User

**Code Setup:**

1. Navigate to the provided Assignment 3 folder containing the ManagementInfoSystem project.
2. Open the Assignment3.sln file in Visual Studio.
3. Build the solution to ensure there are no errors. Install any missing NuGet packages.
4. Open the App.config file under the ManagementInfoSystem.Web project. Modify the Data Source in the Database connection string according to your SQL Server name.



1. Set ManagementInfoSystem.Web as the default project if not already set.
2. Run the project. This opens the Login window.

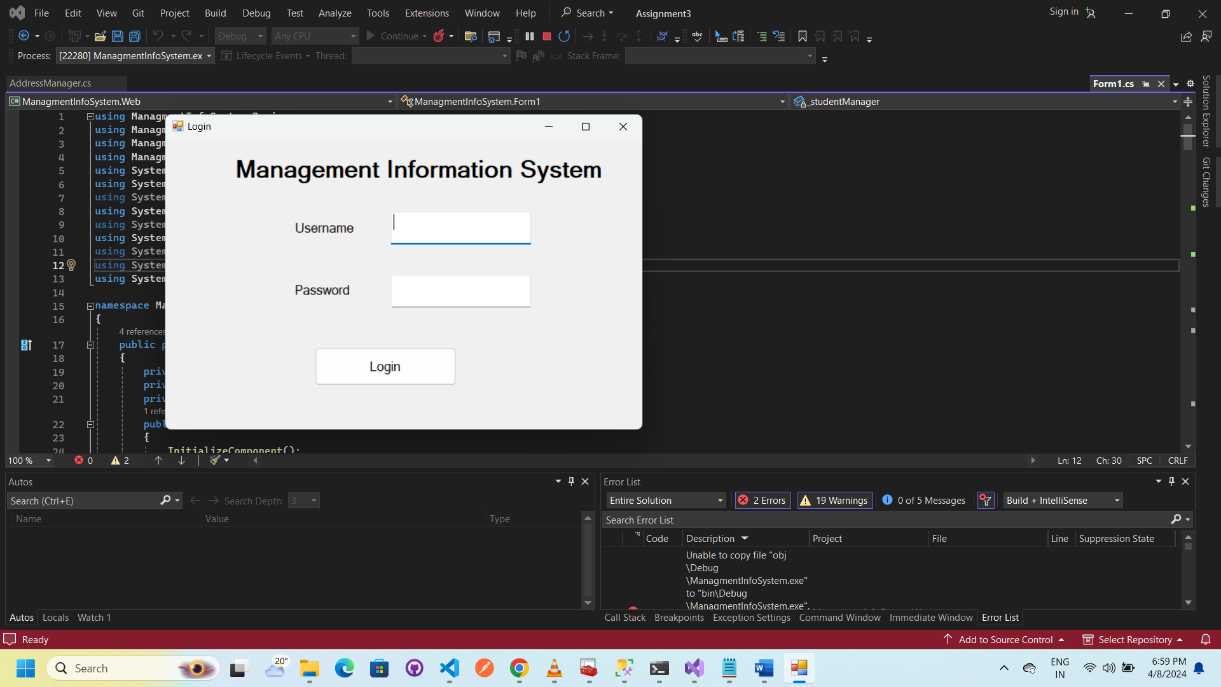
Use the following credentials from the User table to log in:

Username: mukul

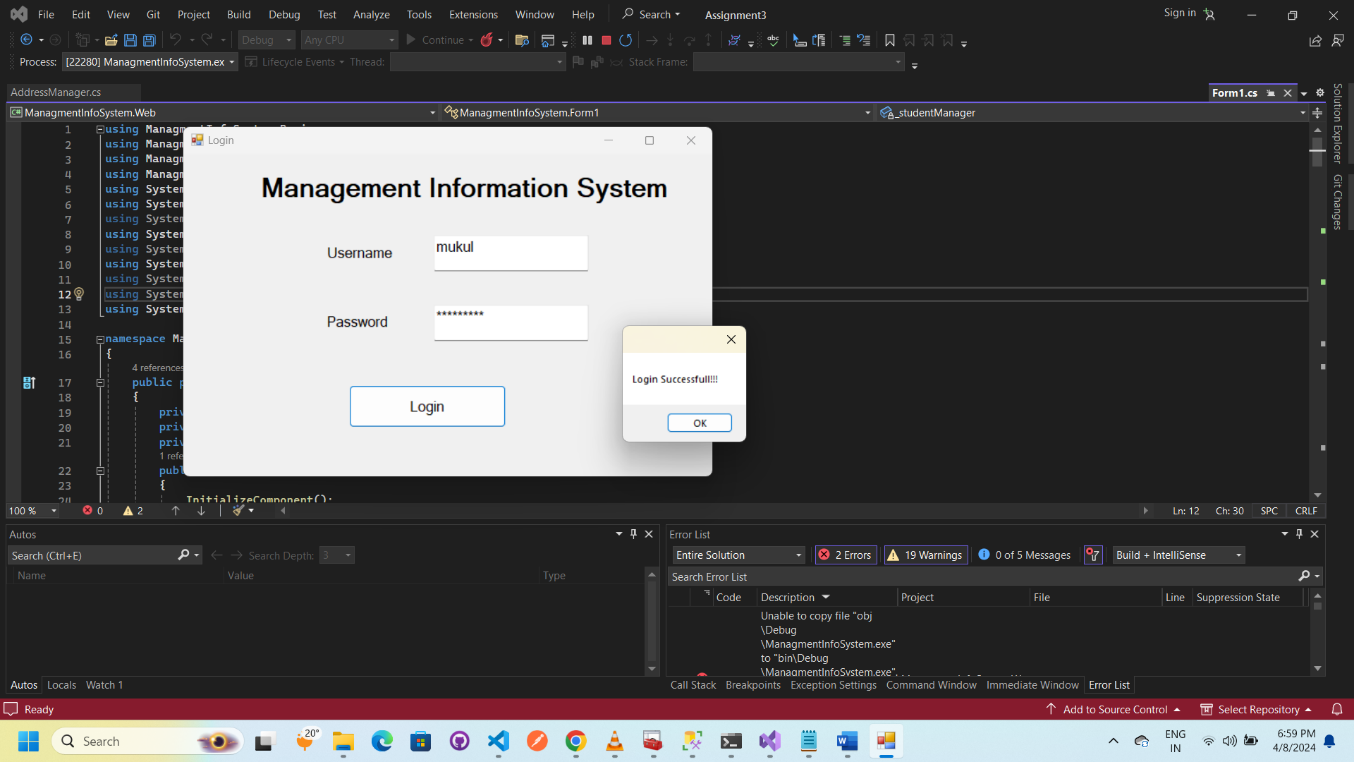
Password: mukul@123

Upon successful login, the Management Information System Window will appear, providing access to the listed features.

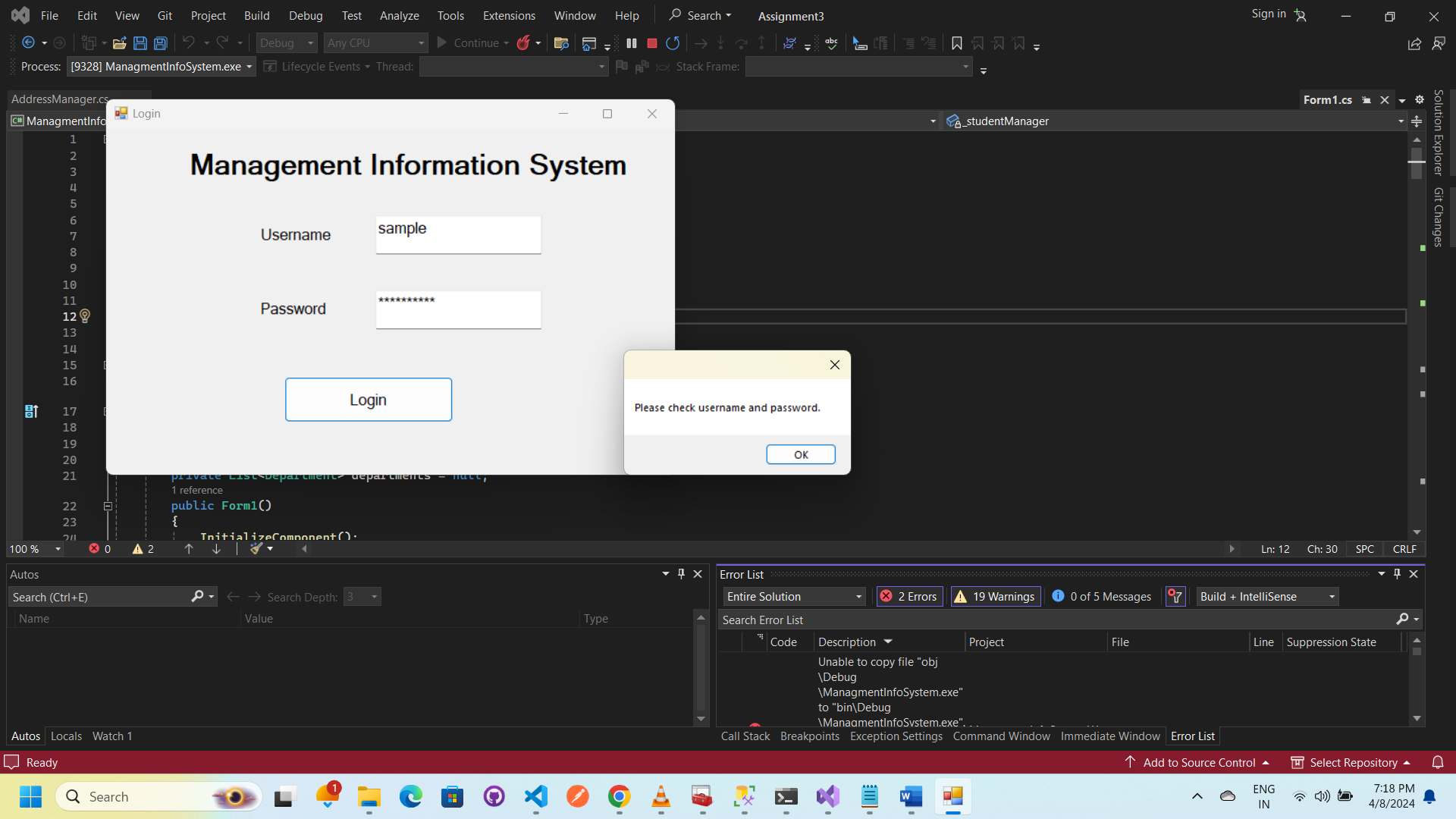
User login window view:



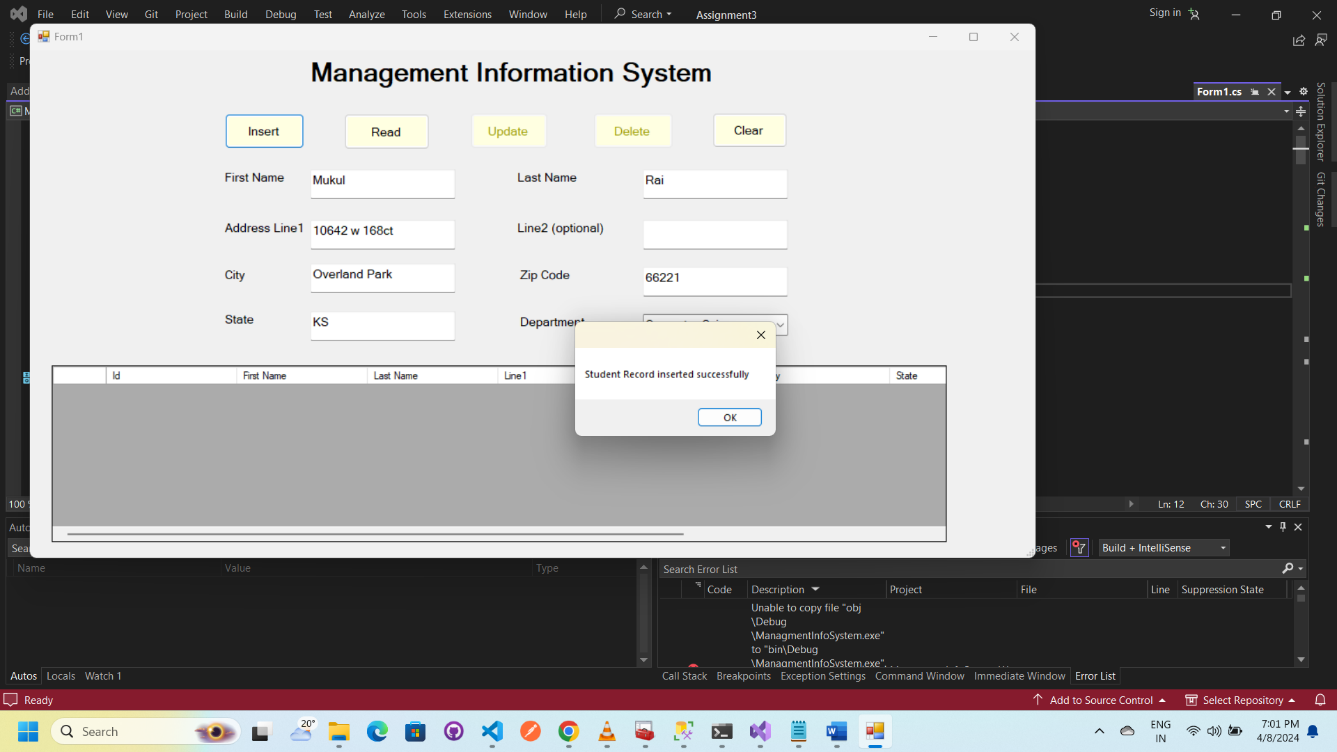
User login response window view:



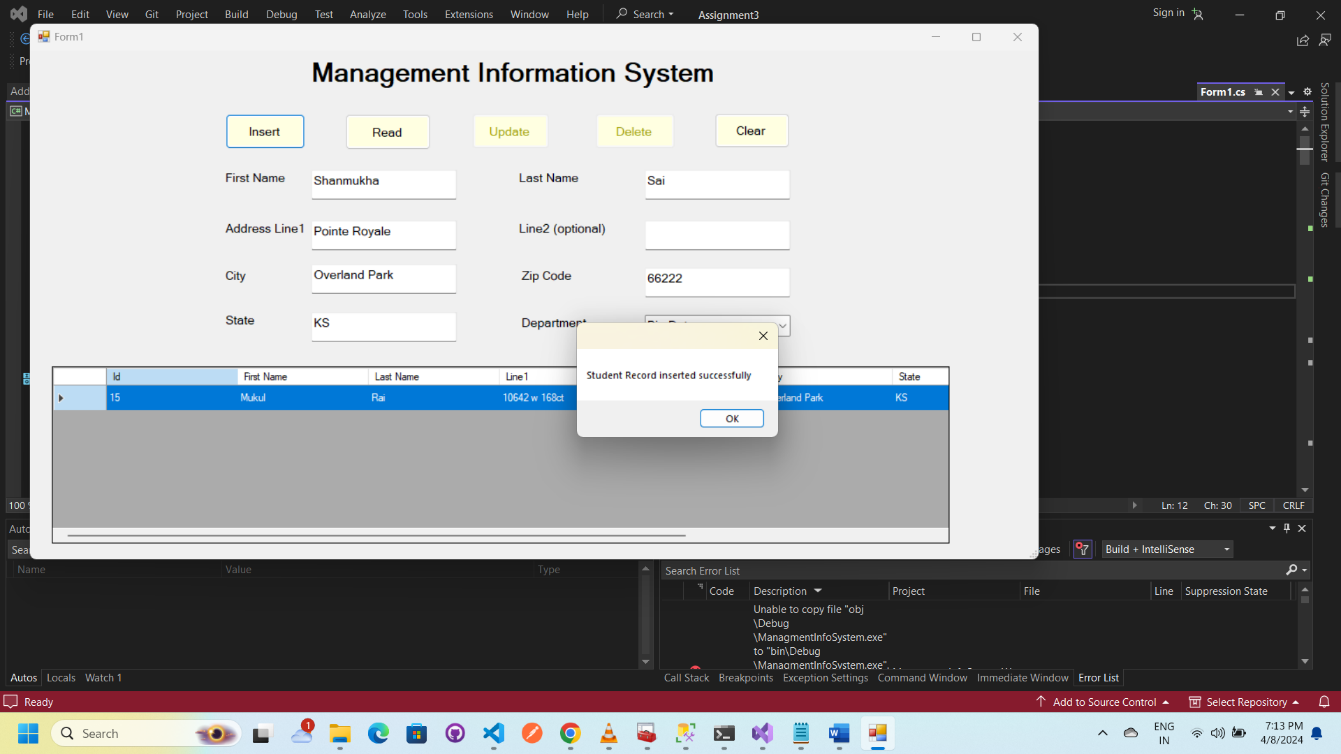
User login response window view for wrong username or password:

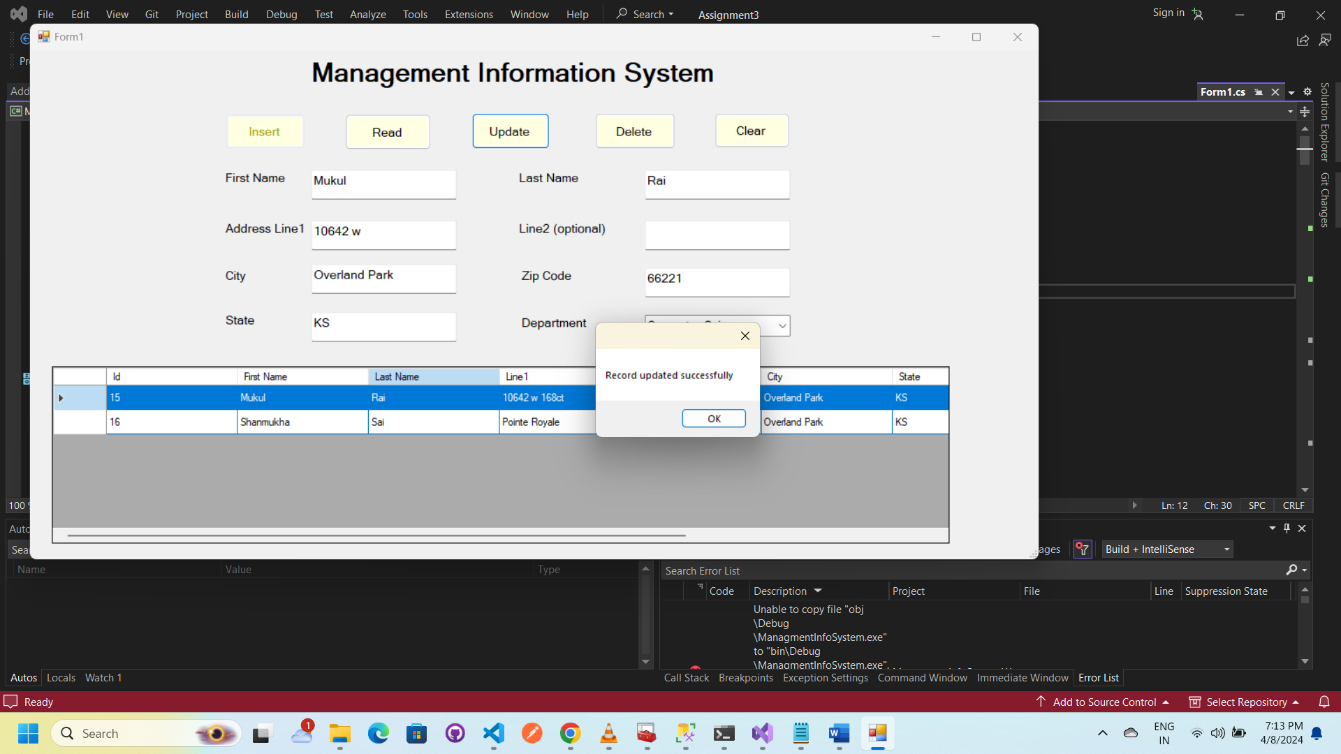


**Data insertion view in system (1):**

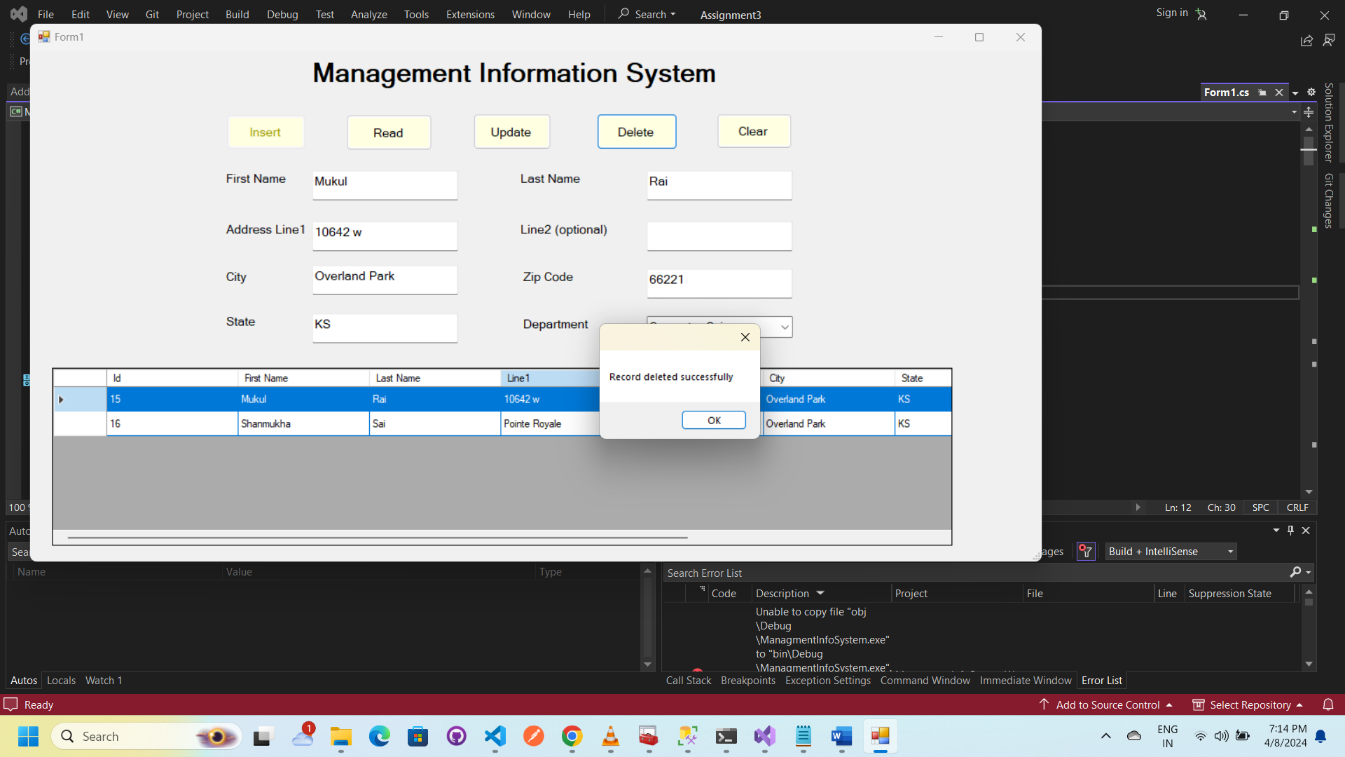


**Data insertion view in system (2):**



**Data update view in system:** 

**Data deletion view in system:**



**Data show view:**

