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**Final Project Documentation**

**Configurable Database Connection:**

* To configure the database connection for both the Dataloader and the NRC program, open appsettings.json found in both of the programs respective root folder.
* Change the “DefaultConnection” string to your database information.
* The database must have a table called “Users” and three attributes called Username (nvarchar(50)), PasswordHash (varbinary(32)), and Salt (varbinary(16)). It must also have an auto-incrementing primary key of some kind.
* The default configuration string for the lab database is: "Data Source=DESKTOP-2EQ8C62,1433;Initial Catalog=NRC;User ID=Nate;Password=CNSAcnsa1;TrustServerCertificate=True;"

**Dataloader information:**

* This program reads data from CY22.xlsx and inputs it into the database for use in NRC program.
* In order for this to work correctly one small change needs to happen in the default NRC schema. In the create table statement for Incidents, delete IDENTITY from the seqnos attribute. Since we are inputting this information directly from the excel sheet we do not want this to increment.
* When running the program in cmd, navigate to the root folder of the program (the one that contains the excel file) and type: dotnet run CY22.xlsx

**Database Query Logging:**

* The NRC program uses a Nuget package called Serilog to log queries.
* The logs are found in: FinalProject\bin\Debug\net8.0-windows\logs
* A new log file is created everyday and contains all of the database queries that the application made during that day.