

COP2805C Module 10 Graded Programming Assignment

Using the Module 10 practice exercise as a reference, implement a database solution which creates, writes, and reads contacts for the appointment reminder application. Create a new class with static methods as demonstrated in the practice exercise.

Drop the contact table and database (even though this may not work) when exiting the application.

Remove or otherwise disable the contact data file write/read functionality and replace it with the database.

All other application functionality, including the event log feature, should remain the same.

If you use the Horizon system all required software is present.

For your project you will need to add the MS SQL Server driver JAR file and authentication DLL to the top-level folder of your project (above the src folder).

The driver JAR file will need to be added as a project library using the following steps in IntelliJ:

- Go to File/Project Structure
- Select Libraries
- Press + to add new library
- Browse to the top-level folder to find the JAR file
- Select the JAR file and click OK.

In your DB class you will need to import the `import com.microsoft.sqlserver.jdbc.SQLServerException` class; the steps to add the driver JAR described above are required for this import to be resolved.

The DLL file does not need to be imported as a library, it just needs to be present when the program executes.

As you develop and test your solution you may need to keep Microsoft SQL Management Studio open to delete the table when necessary if your application gets stuck halfway through. You probably will not be able to delete the database, but the code in the practice exercise demonstrates how to work around that.