

Introduction-Code

Purpose

The purpose of this "code" folder is to give the user a full presentation of our code in our project, the code is not only about building the databases, but also include:

- SQL code that creates the database, and that creates and populates the tables, triggers, and stored procedures and functions.
- Java code that creates the database, and that creates and populates the tables, triggers, and stored procedures and functions.
- Java code for the stored procedures and functions for the API and any private stored procedures and functions (Derby only).
- Java or other code that implements any demo software that uses the project database.

Structure

We designed our project strictly following the OODs principles. We separate the data model with their services into different classes in order to make the structure clear. We also encapsulated all the related functions for different tables into different classes to make it easy for the user to implement CRUD operations. (For more detailed description of this, please refer to /documentation/Project Design.pdf and /documentation/Project API.pdf.) So, we put our java files related to data model into a directory named "[model](#)", and the other java files related to services into a directory named "[service](#)".

In the model directory, we have:

- [Customer.java](#)
- [InventoryRecord.java](#)
- [Order.java](#)
- [OrderRecord.java](#)
- [Product.java](#)

In the service directory, we have:

- [CustomerService.java](#)
- [InOrder.java](#)
- [InOrderFunctions.java](#)
- [InOrderTriggers.java](#)
- [InventoryRecordService.java](#)
- [OrderRecordService.java](#)
- [OrderService.java](#)
- [ProductService.java](#)