

Day 5

Sunday, October 8, 2017 6:15 PM

JDBC - Java Database Connectivity

- Library for communicating with databases

Driver Manager

- Manages our connections to the database, requires us to provide it with a data source to get a connection

Connection

- A single connection to a database, can be use to get Statement, PreparedStatement, and CallableStatement

Statement

- Allows us to send a string of SQL to the database which will then be ran by the database

PreparedStatement

- Allows us to pre-compile SQL queries before sending them to the database.
- These are parameterized with ?

Callabale Statement

- Allows the use of functions and stored procedures

ResultSet

- Contains the results of executing a query

getGeneratedKeySet

- Allows us to access the actual values stored in a column after a query is ran
- Very useful for retrieving the auto-generated id of a newly inserted row

DAO - Data Access Object

- Layer of the application that deals with communication with the database
- No other classes should directly access the database
- Should not be used to additional business logic, only used for communication with the DB