MySQL Requirements

- Operating System - Any supported by Java / MySQL

- MySQL Version - Version 8.0.x or higher

  - Version 5.7.x - should be fine

- Version 8 should have native authentication enabled

  - New feature to version 8, not fully supported by clients

- Native Installation or Docker Container should be fine

- Need to be able to connect to MySQL on localhost:3306

MySQL Clients

- **MySQL Workbench** - free and available for most operating systems

- **DBeaver** - Also free and available for most operating systems (most databases too)

  - Supports MongoDB too

- **SQuirreL SQL** - Java client, free and for most operating systems (most databases too)

- **Sequel Pro** - MacOS only, currently not updated for MySQL 5+

MySQL Setup

- Many examples will show MySQL using 'root' account

- **VERY** poor practice - root is the administrator account for MySQL

- Best practice is to use an account with minimal authority in the database

  - Ideal is a service account with CRUD authorities only.

- In this example we will setup schema owner accounts

  - CRUD + DDL operations - due to Hibernate is managing schema

- Each microservice will have own user and database schema

  - Simulating unique DB per service

Help with MySQL

- If you need additional help with MySQL or SQL checkout:

  - SQL Beginner to Guru: MySQL Edition

- Discounts available in last lecture of course