**Case Study: Pharmaceutical Inventory Management System**

**Objective:**

Develop a menu-based console application to assess your proficiency in Core Java, MySQL, and JDBC. The application will simulate a pharmaceutical inventory management system for a life sciences company, allowing users to manage medicines, suppliers, and orders.

**Functionalities:**

1. **Medicine Management:**
   * Add new medicines to the inventory
   * View medicine details
   * Update medicine information
   * Delete medicines from the inventory
2. **Supplier Management:**
   * Register new suppliers
   * View supplier details
   * Update supplier information
   * Delete suppliers
3. **Order Management:**
   * Place new orders for medicines
   * View order details
   * Update order status
   * Calculate order costs

**Database Schema:**

* **Medicine Table:**
  + medicine\_id (Primary Key)
  + medicine\_name
  + quantity\_available
  + unit\_price
  + expiry\_date
* **Supplier Table:**
  + supplier\_id (Primary Key)
  + supplier\_name
  + contact\_number
  + email
* **Order Table:**
  + order\_id (Primary Key)
  + medicine\_id (Foreign Key references Medicine Table)
  + supplier\_id (Foreign Key references Supplier Table)
  + order\_date
  + delivery\_date
  + order\_status

**Requirements:**

* Develop a menu-based console application using Core Java.
* Use JDBC for interactions with the MySQL database.
* Implement menu options for managing medicines, suppliers, and orders.
* Ensure the application allows for placing orders, updating order status, and managing medicine inventory efficiently.
* Handle exceptions effectively and provide user-friendly error messages.
* Ensure the application code is clean, well-documented, and follows standard coding conventions.

**Submission:**

* Submit the complete source code along with a README file that provides setup and usage instructions.
* Share your project by uploading it to a public GitHub repository.
* Provide the link to the GitHub repository to the coaches.