**Case Study: Courier Service Management System**

**Objective:**

Develop a menu-based console application to assess your proficiency in Core Java, MySQL, and JDBC. The application will simulate a courier service management system, allowing users to manage parcels, customers, and delivery operations.

**Functionalities:**

1. **Parcel Management:**
   * Add new parcels for delivery
   * View parcel details
   * Update parcel information
   * Delete parcels
2. **Customer Management:**
   * Register new customers
   * View customer details
   * Update customer information
   * Delete customer accounts
3. **Delivery Operations:**
   * Schedule parcel deliveries
   * Update delivery status
   * View delivery history
   * Calculate delivery costs

**Database Schema:**

* **Parcel Table:**
  + parcel\_id (Primary Key)
  + sender\_name
  + sender\_address
  + recipient\_name
  + recipient\_address
  + weight
  + status (Scheduled, In Transit, Delivered)
* **Customer Table:**
  + customer\_id (Primary Key)
  + customer\_name
  + email
  + phone\_number
* **Delivery Table:**
  + delivery\_id (Primary Key)
  + parcel\_id (Foreign Key references Parcel Table)
  + customer\_id (Foreign Key references Customer Table)
  + delivery\_date
  + delivery\_status
  + delivery\_cost

**Requirements:**

* Develop a menu-based console application using Core Java.
* Use JDBC for interactions with the MySQL database.
* Implement menu options for managing parcels, customers, and delivery operations.
* Ensure that the application allows for scheduling deliveries, updating delivery status, viewing delivery history, and calculating delivery costs.
* 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.