**Case Study: Courier Tracking System**

**Objective:**

Develop a menu-based console application to assess your proficiency in Core Java, MySQL, and JDBC. The application will simulate a courier tracking system, allowing users to track parcels, manage delivery status, and update customer information.

**Functionalities:**

1. **Parcel Tracking:**
   * Enter parcel tracking number to get status updates
   * View detailed information about the parcel's journey
   * Receive notifications for key status changes
2. **Delivery Status Management:**
   * Update delivery status for parcels
   * View delivery history for parcels
   * Calculate estimated delivery times
3. **Customer Information Management:**
   * Register new customers
   * View customer details
   * Update customer information
   * Delete customer accounts

**Database Schema:**

* **Parcel Table:**
  + parcel\_id (Primary Key)
  + tracking\_number
  + sender\_name
  + sender\_address
  + recipient\_name
  + recipient\_address
  + current\_status
  + delivery\_history
* **Customer Table:**
  + customer\_id (Primary Key)
  + customer\_name
  + email
  + phone\_number

**Requirements:**

* Develop a menu-based console application using Core Java.
* Use JDBC for interactions with the MySQL database.
* Implement menu options for parcel tracking, delivery status management, and customer information management.
* Ensure the application provides real-time updates on parcel status and allows for efficient management of customer information.
* 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.