**Case Study: Telecommunication 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 telecommunication service management system, allowing users to manage customers, services, and service subscriptions.

**Functionalities:**

1. **Customer Management:**
   * Add new customers
   * View customer details
   * Update customer information
   * Remove customers
2. **Service Management:**
   * Add new services (e.g., mobile, internet, TV)
   * View service details
   * Update service information
   * Remove services
3. **Subscription Management:**
   * Subscribe customers to services
   * View subscription details
   * Update subscription information
   * Remove subscriptions

**Database Schema:**

* **Customer Table:**
  + customer\_id (Primary Key)
  + name
  + email
  + contact\_number
  + address
* **Service Table:**
  + service\_id (Primary Key)
  + name
  + description
  + price
* **Subscription Table:**
  + subscription\_id (Primary Key)
  + customer\_id (Foreign Key references Customer Table)
  + service\_id (Foreign Key references Service Table)
  + subscription\_date
  + status

**Requirements:**

* Develop a menu-based console application using Core Java.
* Use JDBC for interactions with the MySQL database.
* Implement menu options for managing customers, services, and subscriptions.
* Ensure the application allows for subscribing customers to services, updating service details, and managing customer information 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.