**Case Study: Tax Service System**

**Objective:**

Develop a menu-based console application to assess your proficiency in Core Java, MySQL, and JDBC. The application will simulate a tax service system, allowing users to manage taxpayers, tax returns, and tax payments.

**Functionalities:**

1. **Taxpayer Management:**
   * Register new taxpayers
   * View taxpayer details
   * Update taxpayer information
   * Delete taxpayers
2. **Tax Return Management:**
   * Submit new tax returns
   * View tax return details
   * Update tax return information
   * Delete tax returns
3. **Tax Payment Management:**
   * Record new tax payments
   * View payment details
   * Update payment information
   * Cancel payments

**Database Schema:**

* **Taxpayer Table:**
  + taxpayer\_id (Primary Key)
  + name
  + contact\_number
  + email
  + address
  + tax\_id\_number
* **Tax Return Table:**
  + return\_id (Primary Key)
  + taxpayer\_id (Foreign Key references Taxpayer Table)
  + income
  + deductions
  + tax\_due
  + filing\_date
* **Tax Payment Table:**
  + payment\_id (Primary Key)
  + taxpayer\_id (Foreign Key references Taxpayer Table)
  + amount
  + payment\_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 taxpayers, tax returns, and tax payments.
* Ensure the application allows for submitting tax returns, recording tax payments, and managing taxpayer 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.