public void insertUpdateWithoutTransaction();

Bước 2: Cập nhật lớp UserDAO:

private static final String SQL\_INSERT = "INSERT INTO EMPLOYEE (NAME, SALARY, CREATED\_DATE) VALUES (?,?,?)";

    private static final String SQL\_UPDATE = "UPDATE EMPLOYEE SET SALARY=? WHERE NAME=?";

    private static final String SQL\_TABLE\_CREATE = "CREATE TABLE EMPLOYEE"

            + "("

            + " ID serial,"

            + " NAME varchar(100) NOT NULL,"

            + " SALARY numeric(15, 2) NOT NULL,"

            + " CREATED\_DATE timestamp,"

            + " PRIMARY KEY (ID)"

            + ")";

    private static final String SQL\_TABLE\_DROP = "DROP TABLE IF EXISTS EMPLOYEE";

...

@Override

    public void insertUpdateWithoutTransaction() {

        try (Connection conn = getConnection();

             Statement statement = conn.createStatement();

             PreparedStatement psInsert = conn.prepareStatement(SQL\_INSERT);

             PreparedStatement psUpdate = conn.prepareStatement(SQL\_UPDATE)) {

            statement.execute(SQL\_TABLE\_DROP);

            statement.execute(SQL\_TABLE\_CREATE);

*// Run list of insert commands*

            psInsert.setString(1, "Quynh");

            psInsert.setBigDecimal(2, new BigDecimal(10));

            psInsert.setTimestamp(3, Timestamp.valueOf(LocalDateTime.now()));

            psInsert.execute();

            psInsert.setString(1, "Ngan");

            psInsert.setBigDecimal(2, new BigDecimal(20));

            psInsert.setTimestamp(3, Timestamp.valueOf(LocalDateTime.now()));

            psInsert.execute();

*// Run list of update commands*

*// below line caused error, test transaction*

*// org.postgresql.util.PSQLException: No value specified for parameter 1.*

            psUpdate.setBigDecimal(2, new BigDecimal(999.99));

*//psUpdate.setBigDecimal(1, new BigDecimal(999.99));*

            psUpdate.setString(2, "Quynh");

            psUpdate.execute();

        } catch (Exception e) {

            e.printStackTrace();

        }

    }

Bước 3: Cập nhật lớp UserServlet:

Cập nhật phương thức doGet():

case "test-without-tran":

testWithoutTran(request, response);  
 break;

Thêm mới phương thức testWithoutTran():

private void testWithoutTran(HttpServletRequest request, HttpServletResponse response) {

        userDAO.insertUpdateWithoutTransaction();

    }

Bước 4: Chạy ứng dụng và truy cập vào url:

<http://localhost:8080/users?action=test-without-tran>

