**wjISQL Bug Fixes Test Plan**

**Change History**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SNO | Version | Date | By | Description |
| 1 | 1 | 2017-07-01 | Mvsagar | Created. |

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# Introduction

This test plan has test cases for testing the **Connect** and **Disconnect** menu items of navigation menu.

## Prerequisites for all Tests

|  |  |
| --- | --- |
| 1 | Installation test is successful. |
| 2 | Main screen is of wjISQL is currently shown in the browser. Otherwise, enter "<http://localhost:8080/wjisql>" in the browser address field. |

# 

# MySQL Database Browsing Test Cases

## Prerequisites

|  |  |
| --- | --- |
| 1 | MySQL database **mysqldb** is readily available for user **mysqlusr** and password **mysql123**. The user has DBA privileges. |

## Database Setup Test Cases

Test Case 1/1: Connect to MySQL database mysqldb

Test Prerequisites

|  |  |
| --- | --- |
| 1 | None. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click menu item "Connect". |
| 2 | Choose **MySQL JDBC Driver** from field **JDBC driver** displayed in login window. |
| 3 | Specify database **mysqldb** in the Database URL: **jdbc:mysql://localhost/mysqldb** |
| 4 | Enter user id **mysqlusr** and password **mysql123**. |
| 5 | Click button **Connect**. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | The login is successful with 3 windows – Tables , SQL Statement(s) and an empty window- and MySQL version and user information at the top right corner as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL Version*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  FireFox | 1.13.11(331) | 2016-12-24 | Success |  |
| Windows 7 |  |  |  |  |

Test Case 1/2: Create tables

Test Prerequisites

|  |  |
| --- | --- |
| 1 | Test case 1 was executed. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click navigation button **SQL**. |
| 2 | Execute the following script file to drop tables if any; gnore errors wji\_tsrc/wji\_scripts/wji\_01\_basic\_mysql\_tables/tst\_01\_001\_tables\_drop\_uc.sql |
| 3 | Execute the following script file to create tables: wji\_tsrc/wji\_scripts/wji\_01\_basic\_mysql\_tables/tst\_01\_002\_tables\_create\_uc.sql |
| 4 | Execute the following script file to load data: wji\_tsrc/wji\_scripts/wji\_01\_basic\_mysql\_tables/tst\_01\_003\_tables\_insert\_uc.sql |
| 5 | Click naviagtion button **Browse**. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | The login is successful with 3 windows – Tables , SQL Statement(s) and an empty - and MySQL version and user information at the top right corner as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL Version*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  Chrome | 1.13.11(331) | 2016-12-24 | Success |  |
| Windows 7 |  |  |  |  |

# PostgreSQL Database Browsing Test Cases

## Prerequisites

|  |  |
| --- | --- |
| 1 | PostgreSQL database **pgsqldb** is readily available for user **pgsqlusr** and password **pgsql123**. The user has DBA privileges. |

## Database Setup Test Cases

Test Case 1/3: Connect to database pgsqldb

Test Prerequisites

|  |  |
| --- | --- |
| 1 | None. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click menu item "Connect". |
| 2 | Choose **PostgreSQL JDBC Driver** from field **JDBC driver** displayed in login window. |
| 3 | Specify database **pgsqldb** in the Database URL: **jdbc:postgresql://localhost:5432/pgsqldb** |
| 4 | Enter user id **pgsqlusr** and password **pgsql123**. |
| 5 | Click button **Connect**. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | The login is successful with 3 windows – Tables , SQL Statement(s) and an empty window- and PostgreSQL version and user name at the top right corner as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL Version*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  FireFox | 1.13.14(355) | 2016-12-27 | Success |  |
| Windows 7 |  |  |  |  |

Test Case 1/4: Create tables

Test Prerequisites

|  |  |
| --- | --- |
| 1 | Test case 1 was executed. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click navigation button **SQL**. |
| 2 | Execute the following script file to drop existing tables if any; ignore error messages: wji\_tsrc/wji\_scripts/wji\_01\_basic\_mysql\_tables/tst\_04\_001\_tables\_drop\_uc.sql |
| 3 | Execute the following script file to create tables: wji\_tsrc/wji\_scripts/wji\_01\_basic\_mysql\_tables/tst\_04\_002\_tables\_create\_uc.sql |
| 4 | Execute the following script file to insert data into the tables: wji\_tsrc/wji\_scripts/wji\_01\_basic\_mysql\_tables/tst\_04\_003\_tables\_insert\_uc.sql |
| 5 | Click naviagtion button **Browse**. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A list of 4 tables with number of rows inserted as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL Version*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  Chrome | 1.13.14(355) | 2016-12-27 | Success |  |
| Windows 7 |  |  |  |  |

Test Case 1/5: Create user **pgsqlusr1**

Test Prerequisites

|  |  |
| --- | --- |
| 1 | Disconnect from any existing database and user |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click menu item "Connect". |
| 2 | Choose **PostgreSQL JDBC Driver** from field **JDBC driver** displayed in login window. |
| 3 | Specify database **pgsqldb** in the Database URL: **jdbc:postgresql://localhost:5432/pgsqldb** |
| 4 | Enter user id **postgres** and password **postgres**. |
| 5 | Click button **Connect**. |

|  |  |
| --- | --- |
| 1 | Click navigation button **SQL**. |
| 2 | Create user **pgsqlusr1** with password **pgsqlusr1** as following:  CREATE USER pgsqlusr1 WITH PASSWORD 'pgsqlusr1'; |
| 3 | Click button **Disconnect** |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Successful creation of user pgsqlusr1. |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL Version*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  Chrome | 1.15.1(397) | 2017-07-01 | Success |  |
| Windows 7 |  |  |  |  |

Test Case 1/6: Let user **pgsqlusr** grant SELECT privilege on two tables to **pgsqlusr1**

Test Prerequisites

|  |  |
| --- | --- |
| 1 | Disconnect from any existing database and user |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click menu item "Connect". |
| 2 | Choose **PostgreSQL JDBC Driver** from field **JDBC driver** displayed in login window. |
| 3 | Specify database **pgsqldb** in the Database URL: **jdbc:postgresql://localhost:5432/pgsqldb** |
| 4 | Enter user id **pgsqlusr** and password **pgsql123**. |
| 5 | Click button **Login**. |

|  |  |
| --- | --- |
| 6 | Click navigation button **SQL**. |
| 7 | Execute the following commands:  GRANT SELECT ON t2\_1\_multi\_lingual\_data\_types TO pgsqlusr1;  GRANT SELECT ON t4\_1\_non\_std\_data\_types\_1 TO pgsqlusr1; |
| 8 | Click button **Disconnect** |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Successful granting of SELECT privilege |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL Version*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  Chrome | 1.15.1(397) | 2017-07-01 | Success |  |
| Windows 7 |  |  |  |  |

## Bug-Fix Test Cases

### Bug W\_B\_20170617\_74: PostgreSQL gives permission for each table

Test Case 1/7: Test that PostgreSQL gives permission error only once irrespective of number of tables user does not have access

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | Database setup |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click menu item "Connect". |
| 2 | Choose **PostgreSQL JDBC Driver** from field **JDBC driver** displayed in login window. |
| 3 | Specify database **pgsqldb** in the Database URL: **jdbc:postgresql://localhost:5432/pgsqldb** |
| 4 | Enter user id **pgsqlusr1** and password **pgsqlusr1**. |
| 5 | Click button **Login**. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | The following error message is displayed only once for all tables not accessible to the user: |
| 2 | Table list is displayed as following with red color for non-accessible tables with ? as row count: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **Chrome** | 1.15.1(399) | 2017-07-01 | Success |  |
| Windows 7 |  |  |  |  |

# Oracle Database Browsing Test Cases

## Prerequisites

|  |  |
| --- | --- |
| 1 | Oracle database **oradb** with character set **AL32UTF8** is readily available for user **orausr** and password **ora123**. The user has DBA privileges. |

## Database Setup Test Cases

Test Case 1/8: Connect to database oradb

Test Prerequisites

|  |  |
| --- | --- |
| 1 | None. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click menu item "Connect". |
| 2 | Choose **Oracle JDBC Driver** from field **JDBC driver** displayed in login window. |
| 3 | Specify database **oradb** in the Database URL: **jdbc:oracle:thin:@localhost:1521:oradb** |
| 4 | Enter user id **oraqlusr** and password **ora123**. |
| 5 | Click button **Connect**. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | The login is successful with empty table list as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL Version*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS |  |  |  |  |
| Windows 7, IE 11.0 | 1.13.14(355) | 2016-12-27 | Success |  |

Test Case 2/9: Create tables

Test Prerequisites

|  |  |
| --- | --- |
| 1 | Test case 1 was executed. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click navigation button **SQL**. |
| 2 | Execute the following script file to drop tables if any; gnore errors wji\_tsrc/wji\_scripts/wji\_07\_basic\_oracle\_tables/tst\_07\_001\_tables\_drop\_uc.sql |
| 3 | Execute the following script file to create tables: wji\_tsrc/wji\_scripts/wji\_07\_basic\_oracle\_tables/tst\_07\_002\_tables\_create\_uc.sql |
| 4 | Execute the following script file to load data: wji\_tsrc/wji\_scripts/wji\_07\_basic\_oracle\_tables/tst\_07\_003\_tables\_insert\_uc.sql |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | The login is successful with table list as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL Version*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS |  |  |  |  |
| Windows 7, IE 11.0 | 1.13.14(355) | 2016-12-27 | Success |  |

# MS SQL Database Browsing Test Cases

## Prerequisites

|  |  |
| --- | --- |
| 1 | MS SQL Server database **mssqldb** is readily available for user **mssqlusr** and password **mssql123**. |
| 2 | The user is owner of the database as mentioned in the connection/disconnection test plan. |

## Database Setup Test Cases

Test Case 1/10: Connect to database oradb

Test Prerequisites

|  |  |
| --- | --- |
| 1 | None. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click menu item "Connect". |
| 2 | Choose **Microsft SQL Server JDBC Driver** from field **JDBC driver** displayed in login window. |
| 3 | Specify database **mssqldb** in the Database URL: **jdbc:sqlserver://localhost:1433;databaseName=mssqldb;** |
| 4 | Enter user id **mssqlusr** and password **mssql123**. |
| 5 | Click button **Connect**. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | The login is successful with empty table list as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL Version*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS |  |  |  |  |
| Windows 7, IE 11.0 | 1.13.14(355) | 2016-12-27 | Success |  |

Test Case 2/11: Create tables

Test Prerequisites

|  |  |
| --- | --- |
| 1 | Test case 1 was executed. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click navigation button **SQL**. |
| 2 | Execute the following script file to drop tables if any; gnore errors wji\_tsrc/wji\_scripts/wji\_10\_basic\_mssql\_tables/tst\_10\_001\_tables\_drop\_uc.sql |
| 3 | Execute the following script file to create tables: wji\_tsrc/wji\_scripts/wji\_10\_basic\_mssql\_tables/tst\_10\_002\_tables\_create\_uc.sql |
| 4 | Execute the following script file to load data: wji\_tsrc/wji\_scripts/wji\_10\_basic\_mssql\_tables/tst\_10\_003\_tables\_insert\_uc.sql |
| 5 | Execute the following script file to load data: wji\_tsrc/wji\_scripts/wji\_10\_basic\_mssql\_tables/tst\_10\_004\_tables\_select\_star\_uc.sql |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | The login is successful with table list as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL Version*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS |  |  |  |  |
| Windows 7, IE 11.0 | 1.13.14(358) | 2016-12-28 | Success |  |

# SQLite Database Browsing Test Cases

## Prerequisites

|  |  |
| --- | --- |
| 1 | None. |

## Database Setup Test Cases

Test Case 1/12: Connect to **SQLite** database **sqlitedb.**

Test Prerequisites

|  |  |
| --- | --- |
| 1 | Assumes /tmp directory on Linux machines and  [C:\TEMP](file:///C:/TEMP) directory on Windows |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click menu item "Connect". |
| 2 | Choose **SQLIte JDBC Driver** from field **JDBC driver** displayed in login window. |
| 3 | Specify database with path for **sqlitedb** in the Database URL as following:  On Linux: **jdbc:sqlite:/tmp/sqlitedb**  On Windows: **jdbc:sqlite:C:/TEMP/sqlitedb** |
| 4 | Click button **Connect**. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Empty database as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL Version*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  FireFox | 1.13.14(355) | 2016-12-27 | Success |  |
| Windows 7, IE 11.0 | 1.13.14(358) | 2016-12-28 | Success |  |

Test Case 1/13: Create tables

Test Prerequisites

|  |  |
| --- | --- |
| 1 | Test case 1 was executed. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click navigation button **SQL**. |
| 2 | Execute the following script file to drop tables if any; **ignore errors** wji\_tsrc/wji\_scripts/wji\_13\_basic\_sqlite\_tables/tst\_13\_001\_tables\_drop\_uc.sql |
| 3 | Execute the following script file to create tables: wji\_tsrc/wji\_scripts/wji\_13\_basic\_sqlite\_tables/tst\_13\_002\_tables\_create\_uc.sql |
| 4 | Execute the following script file to load data: wji\_tsrc/wji\_scripts/wji\_13\_basic\_sqlite\_tables/tst\_13\_003\_tables\_insert\_uc.sql |
| 5 | Execute the following script file to retrieve data from the tables: wji\_tsrc/wji\_scripts/wji\_13\_basic\_sqlite\_tables/tst\_13\_004\_tables\_select\_star\_uc.sql |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Screen with 4 tables created as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL Version*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  FireFox | 1.13.14(355) | 2016-12-27 | Success |  |
| Windows 7, IE 11.0 | 1.13.14(358) | 2016-12-28 | Success |  |