**wjISQL 1.19.5**

**Connect and Disconnect Menu Item Test Plan**

**Change History**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SNO | Version | Date | By | Description |
| 1 | 1 | 2016-12-23 | 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. |
| 3 | MySQL database **mysqldb** is readily available for user **mysqlusr** and password **mysql123**. The user has DBA privileges. |

# Connect and Disconnect Menu Item Test Cases

## MySQL Database Connection and Disconnection Test Cases

### Prerequisites

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

### Successful Test Cases

Test Case 1/1: Test for successful connection to databse 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, enter user id **mysqlusr** and password **mysql123**. |
| 4 | Click button **Login**. |

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 | 1.16.5(409) | 2017-10-07 | Success | Table list contains existing tables. |
| Windows 7 |  |  |  |  |

Test Case 2/2: Test successful disconnection from mysql db

Test Prerequisites

|  |  |
| --- | --- |
| 1 | Test case 1 is already executed. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click button **Disconnect**.. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A successful disconnection message as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  Chrome | 1.16.5(409) | 2017-10-07 | Success |  |
| Windows 7 |  |  |  |  |

### Unsuccessful Test Cases

Test Case 1/3: Test unsuccessful connection to a mysql database with invalid prefix in the JDBC URL.

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 invalid prefix **xyz** in the Database URL: **xyz**:mysql://localhost/**mysqldb** |
| 4 | Enter user id **mysqlusr** and password **mysql123**. |
| 5 | Click button **Login**. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A connection failure error message popup window as shown below is displayed: |

Test Postrequisites:

|  |  |
| --- | --- |
| 1 | Click button OK on the alert message window |
| 2 | Make sure Database Login window is displayed. |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  Chrome | 1.16.5(409) | 2017-10-07 | Success |  |
| Windows 7 |  |  |  |  |

Test Case 2/4: Test unsuccessful connection to a mysql database with invalid host in the JDBC URL.

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 invalid host name **xyz** in the Database URL: jdbc:mysql://**xyz**/**mysqldb** |
| 4 | Enter user id **mysqlusr** and password **mysql123**. |
| 5 | Click button **Login**. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A connection failure error message popup window as shown below is displayed: |

Test Postrequisites:

|  |  |
| --- | --- |
| 1 | Click button OK on the alert message window |
| 2 | Make sure Database Login window is displayed. |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  Chrome | 1.16.5(409) | 2017-10-07 | Success |  |
| Windows 7 |  |  |  |  |

Test Case 3/5: Test unsuccessful connection to a mysql database with invalid database name in the JDBC URL.

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 invalid database name **xyzdb** in the Database URL: jdbc:mysql://localhost/**xyzdb** |
| 4 | Enter user id **mysqlusr** and password **mysql123**. |
| 5 | Click button **Login**. |

Test Exped o/p:

|  |  |
| --- | --- |
| 1 | A connection failure error message popup window as shown below is displayed: |

Test Postrequisites:

|  |  |
| --- | --- |
| 1 | Click button OK on the alert message window |
| 2 | Make sure Database Login window is displayed. |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  Chrome | 1.16.5(409) | 2017-10-07 | Success |  |
| Windows 7 |  |  |  |  |

Test Case 4/6: Test unsuccessful connection to a mysql database with invalid user ID for login.

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 URL: jdbc:mysql://localhost/**mysqldb** |
| 4 | Enter invalid user id **xyz** and password **mysql123**. |
| 5 | Click button **Login**. |

Test Exped o/p:

|  |  |
| --- | --- |
| 1 | A connection failure error message popup window as shown below is displayed: |

Test Postrequisites:

|  |  |
| --- | --- |
| 1 | Click button OK on the alert message window |
| 2 | Make sure Database Login window is displayed. |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  Chrome | 1.16.5(409) | 2017-10-07 | Success |  |
| Windows 7 |  |  |  |  |

Test Case 5/7: Test unsuccessful connection to a mysql database with invalid password for login.

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 URL: jdbc:mysql://localhost/**mysqldb** |
| 4 | Enter user id **mysqlusr** and invalid password **xyz**. |
| 5 | Click button **Login**. |

Test Exped o/p:

|  |  |
| --- | --- |
| 1 | A connection failure error message popup window as shown below is displayed: |

Test Postrequisites:

|  |  |
| --- | --- |
| 1 | Click button OK on the alert message window |
| 2 | Make sure Database Login window is displayed. |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  Chrome | 1.16.5(409) | 2017-10-07 | Success |  |
| Windows 7 |  |  |  |  |

## MariaDB Database Connection and Disconnection Test Cases

### Prerequisites

|  |  |
| --- | --- |
| 1 | MariaDB database **mardb** is readily available for user **marusr** and password **mar123**. The user has DBA privileges. |

### Successful Test Cases

Test Case 1/8: Test for successful connection to databse mysqldb.

Test Prerequisites

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

Test Procedure

|  |  |
| --- | --- |
| 1 | Click menu item "Connect". |
| 2 | Choose MariaDB JDBC Driver from field JDBC driver displayed in login window. |
| 3 | Specify database **mariadb** in the Database URL, enter user id **marlusr** and password **mar123**. |
| 4 | Click button **Login**. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | The login is successful with 3 windows – Tables , SQL Statement(s) and an empty - and MariaDB 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 | 1.16.5(409) | 2017-10-07 | Success | Table list contains existing tables. |
| Windows 7 |  |  |  |  |

Test Case 2/9: Test successful disconnection from mysql db

Test Prerequisites

|  |  |
| --- | --- |
| 1 | Test case 1 is already executed. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click button **Disconnect**.. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A successful disconnection message as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  Chrome | 1.16.5(409) | 2017-10-07 | Success |  |
| Windows 7 |  |  |  |  |

### Unsuccessful Test Cases

Test Case 1/10: Test unsuccessful connection to a mysql database with invalid prefix in the JDBC URL.

Test Prerequisites:

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

Test Procedure

|  |  |
| --- | --- |
| 1 | Click menu item "Connect". |
| 2 | Choose MariaDB JDBC Driver from field JDBC driver displayed in login window. |
| 3 | Specify invalid prefix **xyz** in the Database URL: **xyz**:mariadb://localhost/**mardb** |
| 4 | Enter user id **marusr** and password **mar123**. |
| 5 | Click button **Login**. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A connection failure error message popup window as shown below is displayed: |

Test Postrequisites:

|  |  |
| --- | --- |
| 1 | Click button OK on the alert message window |
| 2 | Make sure Database Login window is displayed. |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  Chrome | 1.16.5(409) | 2017-10-07 | Success |  |
| Windows 7 |  |  |  |  |

Test Case 2/11: Test unsuccessful connection to a mariadb database with invalid host in the JDBC URL.

Test Prerequisites:

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

Test Procedure

|  |  |
| --- | --- |
| 1 | Click menu item "Connect". |
| 2 | Choose MariaDB JDBC Driver from field JDBC driver displayed in login window. |
| 3 | Specify invalid host name **xyz** in the Database URL: jdbc:mariadb://**xyz**/**mardb** |
| 4 | Enter user id **marusr** and password **mar123**. |
| 5 | Click button **Login**. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A connection failure error message popup window as shown below is displayed: |

Test Postrequisites:

|  |  |
| --- | --- |
| 1 | Click button OK on the alert message window |
| 2 | Make sure Database Login window is displayed. |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  Chrome | 1.16.5(409) | 2017-10-07 | Success |  |
| Windows 7 |  |  |  |  |

Test Case 3/12: Test unsuccessful connection to a MariaDB database with invalid database name in the JDBC URL.

Test Prerequisites:

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

Test Procedure

|  |  |
| --- | --- |
| 1 | Click menu item "Connect". |
| 2 | Choose MariaDB JDBC Driver from field JDBC driver displayed in login window. |
| 3 | Specify invalid database name **xyzdb** in the Database URL: jdbc:mariadb://localhost/**xyzdb** |
| 4 | Enter user id **marusr** and password **mar123**. |
| 5 | Click button **Login**. |

Test Exped o/p:

|  |  |
| --- | --- |
| 1 | A connection failure error message popup window as shown below is displayed: |

Test Postrequisites:

|  |  |
| --- | --- |
| 1 | Click button OK on the alert message window |
| 2 | Make sure Database Login window is displayed. |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  Chrome | 1.16.5(409) | 2017-10-07 | Success |  |
| Windows 7 |  |  |  |  |

Test Case 4/13: Test unsuccessful connection to a MariaDB database with invalid user ID for login.

Test Prerequisites:

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

Test Procedure

|  |  |
| --- | --- |
| 1 | Click menu item "Connect". |
| 2 | Choose MariaDB JDBC Driver from field JDBC driver displayed in login window. |
| 3 | Specify Database URL: jdbc:mariadb://localhost/**mardb** |
| 4 | Enter invalid user id **xyz** and password **mar123**. |
| 5 | Click button **Login**. |

Test Exped o/p:

|  |  |
| --- | --- |
| 1 | A connection failure error message popup window as shown below is displayed: |

Test Postrequisites:

|  |  |
| --- | --- |
| 1 | Click button OK on the alert message window |
| 2 | Make sure Database Login window is displayed. |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  Chrome | 1.16.5(409) | 2017-10-07 | Success |  |
| Windows 7 |  |  |  |  |

Test Case 5/14: Test unsuccessful connection to a MariaDB database with invalid password for login.

Test Prerequisites:

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

Test Procedure

|  |  |
| --- | --- |
| 1 | Click menu item "Connect". |
| 2 | Choose MariaDB JDBC Driver from field JDBC driver displayed in login window. |
| 3 | Specify Database URL: jdbc:mariadb://localhost/**mardb** |
| 4 | Enter user id **marusr** and invalid password **xyz**. |
| 5 | Click button **Login**. |

Test Exped o/p:

|  |  |
| --- | --- |
| 1 | A connection failure error message popup window as shown below is displayed: |

Test Postrequisites:

|  |  |
| --- | --- |
| 1 | Click button OK on the alert message window |
| 2 | Make sure Database Login window is displayed. |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  Chrome | 1.16.5(409) | 2017-10-07 | Success |  |
| Windows 7 |  |  |  |  |

## PostgreSQL Database Connection and Disconnection Test Cases

### Pre-requisites

|  |  |
| --- | --- |
| 1 | PostgreSQL database **pgsqldb** is readily available. |
| 2 | The database owner is user **pgsqlusr**. |
| 3 | The user password is '**pgsql123**'. |

### Successful Test Cases

Test Case 1/15: Test for successful connection to databse pgsqldb.

Test Prerequisites

|  |  |
| --- | --- |
| 1 | Higher level pre-requisites |

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, enter user id **pgsqlusr** and password **pgsql123**. |
| 4 | Click button **Login**. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | The login is successful with 3 windows – Tables , SQL Statement(s) and an empty - and PostgreSQL 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 | 1.16.5(409) | 2017-10-07 | Success |  |
| Windows 7 |  |  |  |  |

Test Case 2/16: Test successful disconnection from PostgreSQL db

Test Prerequisites

|  |  |
| --- | --- |
| 1 | Test case 1 is already executed. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click button **Disconnect**.. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A successful disconnection message as shown below (version number may be different): |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  Chrome | 1.16.5(409) | 2017-10-07 | Success |  |
| Windows 7 |  |  |  |  |

### Unsuccessful Test Cases

Test Case 1/17: Test unsuccessful connection with invalid database name in the JDBC URL.

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 invalid database name **xyzdb** in the Database URL: **jdbc:postgresql://localhost:5432/xyzdb** |
| 4 | Enter user id **pgsqlusr** and password **pgsql123**. |
| 5 | Click button **Login**. |

Test Exped o/p:

|  |  |
| --- | --- |
| 1 | A connection failure error message popup window as shown below is displayed: |

Test Postrequisites:

|  |  |
| --- | --- |
| 1 | Click button OK on the alert message window |
| 2 | Make sure Database Login window is displayed. |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  Chrome | 1.16.5(409) | 2017-10-07 | Success |  |
| Windows 7 |  |  |  |  |

Test Case 2/18: Test unsuccessful connection to database with invalid user ID for login.

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 URL: **jdbc:postgresql://localhost:5432/pgsqldb** |
| 4 | Enter invalid user id **xyz** and password **pgsql123**. |
| 5 | Click button **Login**. |

Test Exped o/p:

|  |  |
| --- | --- |
| 1 | A connection failure error message popup window as shown below is displayed: |

Test Postrequisites:

|  |  |
| --- | --- |
| 1 | Click button OK on the alert message window |
| 2 | Make sure Database Login window is displayed. |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  Chrome | 1.16.5(409) | 2017-10-07 | Success |  |
| Windows 7 |  |  |  |  |

Test Case 3/19: Test unsuccessful connection to a database with invalid password for login.

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 URL: **jdbc:postgresql://localhost:5432/pgsqldb** |
| 4 | Enter invalid user id **pgsqlusr** and password **xyz**. |
| 5 | Click button **Login**. |

Test Exped o/p:

|  |  |
| --- | --- |
| 1 | A connection failure error message popup window as shown below is displayed: |

Test Postrequisites:

|  |  |
| --- | --- |
| 1 | Click button OK on the alert message window |
| 2 | Make sure Database Login window is displayed. |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  Chrome | 1.16.5(409) | 2017-10-07 | Success |  |
| Windows 7 |  |  |  |  |

## Oracle Database Connection and Disconnection Test Cases

### Pre-requisites

|  |  |
| --- | --- |
| 1 | Oracle database **oradb** with database character set **AL32UTF8** is readily available.  Note:- Choose character set **AL32UTF8** while creating database using Database Configuration Assistant of Oracle Database. |
| 2 | The database owner is user **orausr**. |
| 3 | The user password is '**ora123**'. |

After creating database oradb using Oracle Database Configuration Assisnt, login into the database using user SYSTEM and related password. Then Create use orausr with specified password and grant the user DBA privilege as following:

CREATE USER orausr identified by ora123;

GRANT DBA TO orausr;

### Successful Test Cases

Test Case 1/20: Test for successful connection to databse oraldb.

Test Prerequisites

|  |  |
| --- | --- |
| 1 | Higher level pre-requisites |

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 **orausr** and password **ora123**. |
| 5 | Click button **Login**. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | The login is successful with 3 windows – Tables , SQL Statement(s) and an empty window - and Oracle 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 |  |  |  |  |
| Windows 7  Chrome | 1.19.5(439) | 2017-10-27 | Success |  |

Test Case 2/21: Test successful disconnection from oradb

Test Prerequisites

|  |  |
| --- | --- |
| 1 | Test case 1 is already executed. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click button **Disconnect**.. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A successful disconnection message as shown below (version number may be different): |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  Chrome |  |  |  |  |
| Windows 7  Chrome | 1.19.5(439) | 2017-10-27 | Success |  |

### Unsuccessful Test Cases

Test Case 1/22: Test unsuccessful connection with invalid database name in the JDBC URL.

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 invalid database name **xyzdb** in the Database URL: **jdbc:oracle:thin:@localhost:1521:xyzdb** |
| 4 | Enter user id **orausr** and password **ora123**. |
| 5 | Click button **Login**. |

Test Exped o/p:

|  |  |
| --- | --- |
| 1 | A connection failure error message popup window as shown below is displayed: |

Test Postrequisites:

|  |  |
| --- | --- |
| 1 | Click button OK on the alert message window |
| 2 | Make sure Database Login window is displayed. |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  Chrome |  |  |  |  |
| Windows 7  Chrome | 1.19.5(439) | 2017-10-27 | Success |  |

Test Case 2/23: Test unsuccessful connection to database with invalid user ID for login.

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 invalid database name **xyzdb** in the Database URL: **jdbc:oracle:thin:@localhost:1521:oradb** |
| 4 | Enter user id **xyzusr** and password **ora123**. |
| 5 | Click button **Login**. |

Test Exped o/p:

|  |  |
| --- | --- |
| 1 | A connection failure error message popup window as shown below is displayed: |

Test Postrequisites:

|  |  |
| --- | --- |
| 1 | Click button OK on the alert message window |
| 2 | Make sure Database Login window is displayed. |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  Chrome |  |  |  |  |
| Windows 7  Chrome | 1.19.5(439) | 2017-10-27 | Success |  |

Test Case 3/24: Test unsuccessful connection to a database with invalid password for login.

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 invalid database name **xyzdb** in the Database URL: **jdbc:oracle:thin:@localhost:1521:oradb** |
| 4 | Enter user id **orausr** and password **xyz123**. |
| 5 | Click button **Login**. |

Test Exped o/p:

|  |  |
| --- | --- |
| 1 | A connection failure error message popup window as shown below is displayed: |

Test Postrequisites:

|  |  |
| --- | --- |
| 1 | Click button OK on the alert message window |
| 2 | Make sure Database Login window is displayed. |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  Chrome |  |  |  |  |
| Windows 7  Chrome | 1.19.5(439) | 2017-10-27 | Success |  |

## MS SQL Database Connection and Disconnection Test Cases

### Pre-requisites

|  |  |
| --- | --- |
| 1 | MS SQL server database **mssqldb** is readily available. |
| 2 | The database owner is user **mssqlusr**. |
| 3 | The user password is '**mssql123**'. |

Note:- To create database and users, login as user 'sa' and related password and create them from wjISQL itself.

For SQL server 2012 onward:

EXEC SP\_CONFIGURE 'show advanced options',1

RECONFIGURE

EXEC SP\_CONFIGURE 'contained database authentication',1

RECONFIGURE

CREATE DATABASE mssqldb CONTAINMENT=PARTIAL;

USE MSSQLDB;

CREATE USER mssqlusr WITH PASSWORD = 'mssql123';

Replace EXEC with CALL if needed. Not sure!.

// Give ownership of the database to the new user.

EXEC SP\_ADDROLEMEMBER N'db\_owner', N'mssqlusr';

### Successful Test Cases

Test Case 1/25: Test for successful connection to databse pgsqldb.

Test Prerequisites

|  |  |
| --- | --- |
| 1 | Higher level pre-requisites |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click menu item "Connect". |
| 2 | Choose **Microsoft** **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 **Login**. |

Test Expected o/p:

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

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL Version*** | ***Date*** | ***Status*** | ***Remarks*** |
| Windows 7  IE11 | 1.19.5(439) | 2017-10-27 | Success |  |
|  |  |  |  |  |

Test Case 2/26: Test successful disconnection from MS SQL db

Test Prerequisites

|  |  |
| --- | --- |
| 1 | Test case 1 is already executed. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click button **Disconnect**.. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A successful disconnection message as shown below (version number may be different): |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Windows 7  IE 11 | 1.19.5(439) | 2017-10-27 | Success |  |
|  |  |  |  |  |

### Unsuccessful Test Cases

Test Case 1/27: Test unsuccessful connection with invalid database name in the JDBC URL.

Test Prerequisites:

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

Test Procedure

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

Test Exped o/p:

|  |  |
| --- | --- |
| 1 | A connection failure error message popup window as shown below is displayed: |

Test Postrequisites:

|  |  |
| --- | --- |
| 1 | Click button OK on the alert message window |
| 2 | Make sure Database Login window is displayed. |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Windows 7  IE 11 | 1.19.5(439) | 2017-10-27 | Success |  |
|  |  |  |  |  |

Test Case 2/28: Test unsuccessful connection to database with invalid user ID for login.

Test Prerequisites:

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

Test Procedure

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

Test Exped o/p:

|  |  |
| --- | --- |
| 1 | A connection failure error message popup window as shown below is displayed: |

Test Postrequisites:

|  |  |
| --- | --- |
| 1 | Click button OK on the alert message window |
| 2 | Make sure Database Login window is displayed. |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Windows 7  IE 11 | 1.19.5(439) | 2017-10-27 | Success |  |
|  |  |  |  |  |

Test Case 3/29: Test unsuccessful connection to a database with invalid password for login.

Test Prerequisites:

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

Test Procedure

|  |  |
| --- | --- |
| 1 | Click menu item "Connect". |
| 2 | Choose **Microsoft SQL JDBC Driver** from field **JDBC Driver** displayed in login window. |
| 3 | Specify the Database URL: **jdbc:sqlserver://localhost:1433;databaseName=mssqldb;** |
| 4 | Enter user id **mssqlusr** and invalid password **xyz123**. |
| 5 | Click button **Login**. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A connection failure error message popup window as shown below is displayed: |

Test Postrequisites:

|  |  |
| --- | --- |
| 1 | Click button OK on the alert message window |
| 2 | Make sure Database Login window is displayed. |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Windows 7  IE 11 | 1.19.5(439) | 2017-10-27 | Success |  |
|  |  |  |  |  |

## SQLite Database Connection and Disconnection Test Cases

### Pre-requisites

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

### Successful Test Cases

Test Case 1/30: Test for successful connection to databse **sqlitedb**.

Test Prerequisites

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

Test Procedure

|  |  |
| --- | --- |
| 1 | Click menu item "Connect". |
| 2 | Choose **SQLite JDBC Driver** from field **JDBC driver** displayed in login window. |
| 3 | Specify database **sqlitedb** in the Database URL: **jdbc:sqlite:/tmp/sqlitedb** |
| 4 | Click button **Login**. |

Test Expected o/p:

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

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL Version*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  Chrome | 1.16.5(409) | 2017-10-07 | Success |  |
| Windows 7  FireFox 56.0 | 1.19.5(439) | 2017-10-27 | Success |  |

Test Case 2/31: Test successful disconnection from database

Test Prerequisites

|  |  |
| --- | --- |
| 1 | Test case 1 is already executed. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click button **Disconnect**. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A successful disconnection message as shown below (version number may be different): |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  Chrome | 1.16.5(409) | 2017-10-07 | Success |  |
| Windows 7  FireFox 56.0 | 1.19.5(439) | 2017-10-27 | Success |  |

Test Case 3/32: Test for successful connection to databse **sqlitedb** using browsing folders for the database file.

Test Prerequisites:

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

Test Procedure

|  |  |
| --- | --- |
| 1 | Click menu item "Connect". |
| 2 | Choose **SQLite JDBC Driver** from field **JDBC driver** displayed in login window. |
| 3 | Specify directory path **/tmp/** in the fieldfolder on Linux OS and [**C:/sqlite**](file:///C:/sqlite)on Windows. |
| 4 | Click button Choose file and select database file **sqllitedb** from the specified folder. |
| 5 | Click button **Login**. |

Test Expected o/p:

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

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL Version*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  Chrome | 1.16.5(409) | 2017-10-07 | Success |  |
| Windows 7  FireFox 56.0 | 1.19.5(439) | 2017-10-27 | Success |  |

Test Post Actions

|  |  |
| --- | --- |
| 1 | Click button **Disconnect** to disconnect from the database. |

### Unsuccessful Test Cases

Test Case 1/33: Test unsuccessful connection with invalid database path in the JDBC URL.

Test Prerequisites:

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

Test Procedure

|  |  |
| --- | --- |
| 1 | Click menu item "Connect". |
| 2 | Choose **SQLite JDBC Driver** from field **JDBC Driver** displayed in login window. |
| 3 | Specify invalid database directory **xyzdb** in the Database URL: **jdbc:sqlite:/xyz/sqlitedb** |
| 4 | Click button **Login**. |

Test Exped o/p:

|  |  |
| --- | --- |
| 1 | A connection failure error message popup window as shown below is displayed: |

Test Postrequisites:

|  |  |
| --- | --- |
| 1 | Click button OK on the alert message window |
| 2 | Make sure Database Login window is displayed. |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  Chrome | 1.19.5(439) | 2017-10-07 | Success |  |
| Windows 7  FireFox 56.0 | 1.19.5(439) | 2017-10-27 | Failed | Bug: W\_B\_20171027\_82 |

Test Case 2/34: Test unsuccessful connection with invalid database file in a valid file path

Test Prerequisites:

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

Test Procedure

|  |  |
| --- | --- |
| 1 | Click menu item "Connect". |
| 2 | Choose **SQLite JDBC Driver** from field **JDBC Driver** displayed in login window. |
| 3 | Specify valid database directory but a **PNG** file as database file in the Database URL: **jdbc:sqlite:/tmp/baddb.png.**  On windows use **/tmp/Desert.jpg** |
| 4 | Click button **Login**. |

Test Exped o/p:

|  |  |
| --- | --- |
| 1 | A connection failure error message popup window as shown below is displayed: |

Test Postrequisites:

|  |  |
| --- | --- |
| 1 | Click button OK on the alert message window |
| 2 | Make sure Database Login window is displayed. |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  Chrome | 1.16.5(409) | 2017-10-07 | Success |  |
| Windows 7  FireFox 56.0 | 1.19.5(439) | 2017-10-27 | Success |  |