

TESTING MANUAL

VJF version 6.0



Abstract

This document will allow you set up and run the integration and regression test for VJF project. It will also give a brief explanation of how to backup and restore the database. It explains what is assumed before every test. It describes common errors that may occur while testing; their causes and solutions are also explained. Ultimately it will show you how to set up your test suite for regression testing and it will explain what should be changed when making changes to a view. It will address specific test cases, as their set up is more complicated.

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Introduction

Selenium IDE performs system test from the client side. It is important to have a clear understanding of what changes in the systems will affects the regression testing. Also, since is script base, if the sequence of the test gets affected then it will result in failing the test case. For example, if ids are changed on the HTML views or new alerts shown, this will impact the scripting because the alert is not being asserted or an html element cannot be found due to its id not being the same one.

Backing Up

Steps:

1. Go to phpMyAdmin
2. Select your DB
3. Click the export tab
4. Click Go
5. Save the File
6. Insert in the first line of the file: CREATE DATABASE IF NOT EXISTS `jobfairdb`;
7. Insert in the second line of the file: USE `jobfairdb`;

Server: localhost

Databases SQL Status Users Export Import Settings

Exporting databases from the current server

Export Method:

☒ Quick - display only the minimal options
☐ Custom - display all possible options

Output:

☒ Save on server in the directory `/var/lib/phpMyAdmin/save/`
☐ Overwrite existing file(s)

Format:

SQL ▼

Go

General Info about Student Actor Test Cases

- For test 005 the tester must have saved the credential to log in to his FIU google email saved in the browser passwords and his email address must be in the data source variables for test case 005
- for test 006 the tester must have saved his/her credentials to access a linked in account
- Email address and password must be in the data source for test case 006 and must be logged out of the provided google account in the browser for test 007 the tester must have saved the credential to log in to his FIU google email saved in the browser passwords and his email address must be in the data source variables for test case 007
- For test 019 the user must have another Gmail account with a password entered in the data source. For this we need to automate the fetch of the new password sent to the email or manually enter it in the data source for the test case and run from the error line forward.
- Test 21-28 Enter in the test suite Absolute path for the files to be uploaded in the test (11 files so far). This means the address of the folder in your pc where you can find this files. This is necessary because Selenium IDE has a glitch while evaluating paths.

After Running the Test

Steps:

1. Go to phpMyAdmin
2. Select your DB
3. Go to Import
4. Select the File created Before Testing
5. Click Import

phpMyAdmin

Server: localhost » Database: jobfairdb

Structure SQL Search Query Export **Import** Operations Privileges

(Recent tables) ...

information_schema
jobfairdb
New
api_auth
api_status
application
basic_info
company_info
education
experience
general_skills
handshake
job
job_skill_map
match_notification
message
notification
resume
saved_queries
school
skillset
SMS
student_skill_map
tbl_migration
user
usertype
user_document
video_interview
video_resume
whiteboard_sessions
jobfairdb-backup
mysql
performance_schema

Importing into the database "jobfairdb"

File to Import:

File may be compressed (gzip, bzip2, zip) or uncompressed.
A compressed file's name must end in `.[format].[compression]`. Example: `.sql.zip`

☐ Browse your computer: **Choose File** No file chosen (Max: 80MiB)
☐ Select from the web server upload directory `/var/lib/phpMyAdmin/upload/`: There are no files to upload

Character set of the file: utf-8

Partial Import:

☒ Allow the interruption of an import in case the script detects it is close to the PHP timeout limit. (This might be a good w

Number of rows to skip, starting from the first row: 0

Format:

SQL

Format-Specific Options:

SQL compatibility mode: NONE

☒ Do not use AUTO_INCREMENT for zero values

Go

Common Tests Failures

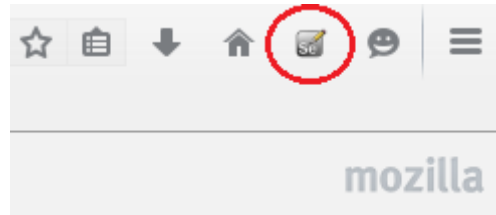
1. The database already contains the username/email address of the user you are creating.
2. The browser you are using is logged in to a Google account.
3. The browser that you are using is logged in to phpMyAdmin the development environment.
4. Internet connection is down or slow.
5. Selenium IDE can't find an id in the page.
6. Other

Common Solution to Test Failures

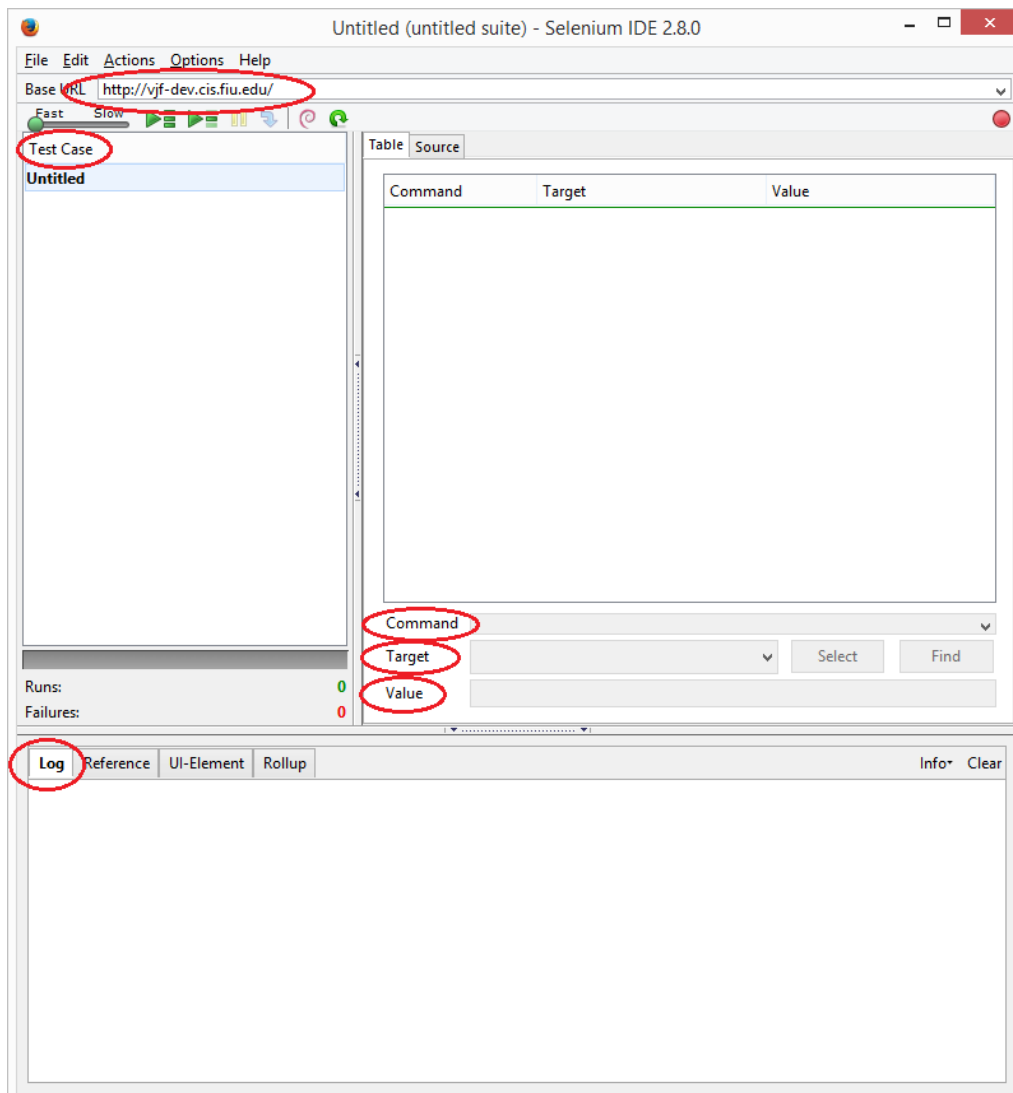
1. Make sure that the user does not exist in the DB. If so, modify your test data in the datasource.js and create a user that email/username does not conflict with an existing user.
2. Log out of google by going to <https://accounts.google.com>.
3. Log out of google by going to <http://vjf-dev.cis.fiu.edu/phpmyadmin>.
4. Usually this will make the response from the system slower and the automated test to not wait properly for elements or pages being ready. So make sure your internet speed is OK.
5. Check that the HTML ids of view being tested were not changed.
6. Other:
 - Check the test case that failed.
 - See which step failed.
 - Check the Log to see the cause.
 - Address the cause of the error.

Selenium IDE

You need to install Selenium IDE in your computer Firefox browser. After installing the plug in it would look like this:

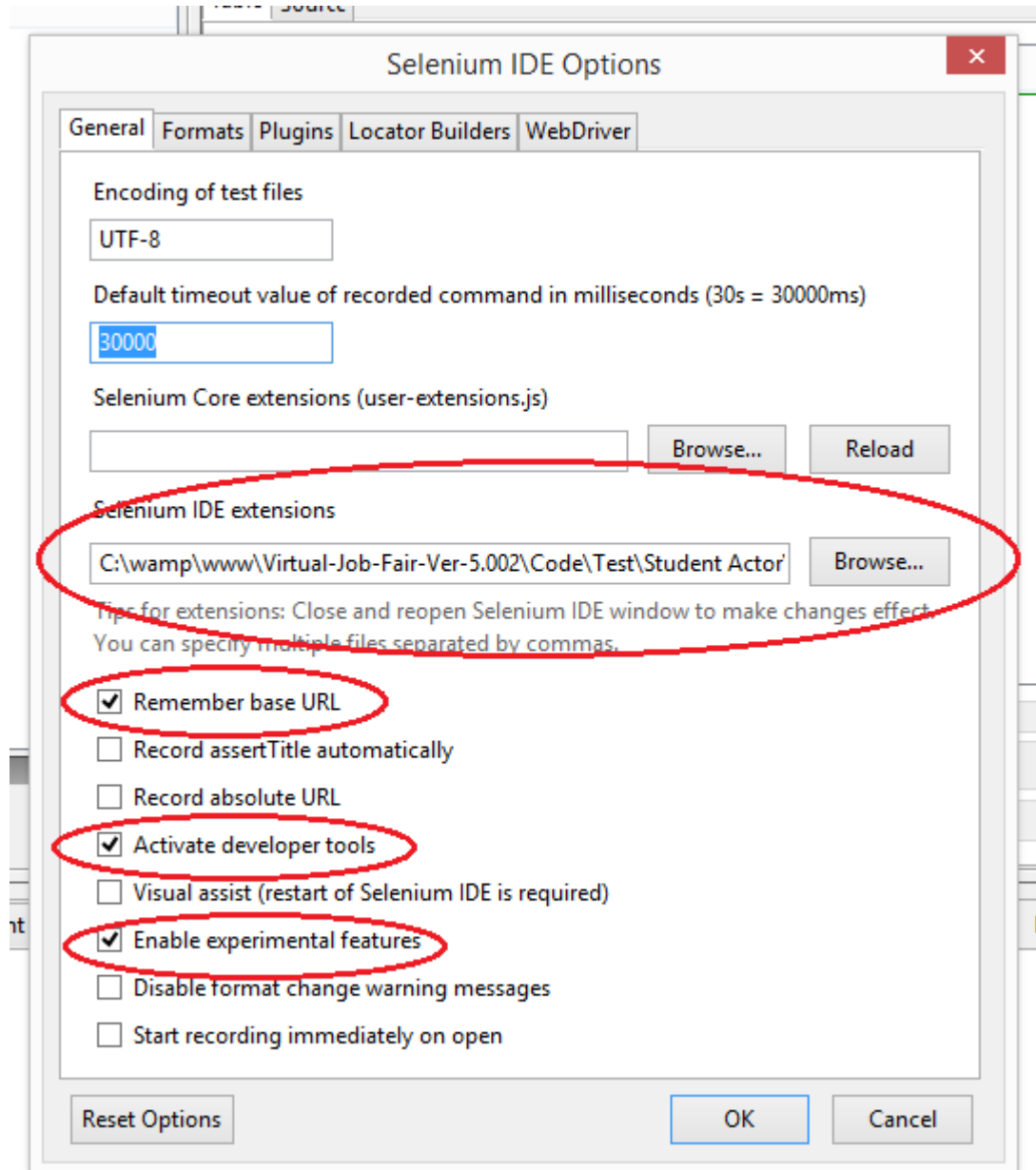


If you click the icon, it would look like this:



Adding the datasource.js:

1. Click on Options
2. Select Options...
3. Browse the path for the file in Selenium IDE Extensions:



Import the Student Test Suite:

1. Click File.
2. Open Test Suite.

3. Go to the folder where you have downloaded your project
4. Go to Code/Test/Student Actor/ StudentTestSuite

001-Registration-Student (StudentTestSuite) - Selenium IDE 2.8.0

File Edit Actions Options Help

Base URL <http://vjf-dev.cis.fiu.edu/>

Fast Slow

Test Case

- 001-Registration-Student
- 002-Registration-Student
- 003-Registration-Student
- 004-Registration-Student
- 005-Registration-Student-PantherMail
- 006-Registration-Student-LinkedIn
- 007-Registration-Student-Google
- 008-Regular-User-Login-Logout
- 009-FIU-Senior-User-Login-Logout
- 010-FIU-Senior-User-Login-Logout-No-M...
- 011-PantherMail-Login-Logout
- 012-PantherMail-Login-Logout-No-Merge
- 013-Google-Login-Logout-Merge
- 014-Google-Login-Logout-No-Merge
- 015-LinkedIn-Login-Logout-Merge
- 016-StudentGuest-Login-Logout
- 017-EmployerGuest-Login-Logout

Runs: 0

Failures: 0

Table Source

Command	Target	Value
open	/JobFair/index.php/site/login	
clickAndWait	link=Register	
clickAndWait	css=img.regimg	
storeEval	test001Name	test001Name
storeEval	test001LastName	test001LastName
storeEval	test001UserName	test001UserName
storeEval	test001Password	test001Password
storeEval	test001Email	test001Email
storeEval	test001Phone	test001Phone
storeEval	test001Phone2	test001Phone2
type	id=User_first_name	\${test001Name}
type	id=User_last_name	\${test001LastName}
type	id=User_username	\${test001UserName}
type	id=User_password	\${test001Password}

Command

Target

Value

Log Reference UI-Element Rollup Info Clear

Conclusion

Remember to backup your database and to follow the instructions above. Any changes that you make to the code might alter how a test case behaves, so remember to update the test case accordingly. Make sure you run many regression test cases so that you know you are not creating new bugs.