Lab 4 Report

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1 Test Plan

1.1 Summary

The system to be tested for this lab is Socify, an online social networking platform for allowing users to exchange messages, keep track of events, and share photos. Particularly, it helps users to get to know each other.

This lab is to test some features of Socify. In the lab, I will develop test requirements for the features of Socify to be tested. I also required to design test cases to verify the test requirements.

1.2 Features to be tested

- **Create a new event**
  - Edit event
  - Delete event
- **Post comment**
  - Write/delete/edit a comment in response to friend's posts (i.e., comments)
  - Press Like Button and Unlike Button at this comment
- **Create a new status**
  - Add images
  - Delete/Edit a status
- **Follow friends**
- **Find friends**
- **Edit profile**
  - Upload avatar and cover
  - Edit all info of profile

1.3 Success criteria of completing the test

Bugs will be rated according to their severity. The feature of lab4 has the following severity classes:

- Minor
- Normal
- Serious

Priority	Requirement
High	Average less than 2 unresolved bugs with severity **Minor** /module. Not over 5 unresolved bugs/module.
Medium	Same as above, but can contain less than average 1 unresolved bugs of severity **Normal**/module.
Low	No unresolved bugs with severity **Serious**. Not more than 5 unresolved bugs/module.

1.4 Test environment and infrastructure

- Hardware: 1 PC
- Software: Chrome, Selenium IDE
- Test Data: Socify website and test data of my use.

1.5 Test approaches

This lab use “user scenarios” and “ISP” to design test case, and measure test coverage if there are enough free time. This lab use Selenium IDE as the test tools, and use multiple testing technique to ensure that all the test requirements can be satisfied and the goals of the test can be achieved.

1.6 Testing tasks

To implement the proposed strategy, the following activities are planned to perform.

No.	Activity Name	Plan hours	Schedule Date
1	Study Selenium IDE	2	2018/05/18
2	Learn and use Socify	2	2018/05/18
3	Design test cases for the features	4	2018/5/19
4	Implement test cases	4	2018/5/19
5	Perform test	3	2018/5/21
6	Complete Lab4 report	3	2018/5/22

2 Test Design

Feature : Create a new Event	
User scenario	1. User click button of create new event 2. User type the new event 3. User click to send event
Precondition	User login
Postcondition	User create new event
Exception	If User don't type anything, then the event won't successful create.

Feature : Edit event	
User scenario	1. User click button of edit event 2. User type the new event 3. User click to send event
Precondition	The event that user already created.
Postcondition	User update event successfully
Exception	If User don't type anything, then the event won't successful edit.

Feature : Delete event	
User scenario	User click button of delete event
Precondition	The event that user already created.
Postcondition	User update event successfully
Exception	None

Feature : Write a comment in response to friend's posts	
User scenario	1. User click the button of comment in friend's event. 2. Type the message 3. User click to send event
Precondition	The event that user's friend already created.
Postcondition	User leave message successfully.
Exception	If User don't type anything, then the message won't successful replay.

Feature : Delete a comment in response to friend's posts	
User scenario	User click the button of delete in friend's event.
Precondition	The message that user already send in friend's event
Postcondition	User delete message successfully.
Exception	None

Feature : Press Like Button at this comment	
User scenario	User click the button of like in friend's event.
Precondition	The event that user's friend already created.
Postcondition	Add the number of like in friend's event
Exception	None

Feature : Press Unlike Button at this comment	
User scenario	User click the button of like in friend's event.
Precondition	The event that user already press like button.
Postcondition	Reduce the number of like in friend's event
Exception	None

Feature : Create a new status	
User scenario	1. User input the comment and upload picture in a new status. 2. User click button of send
Precondition	User login
Postcondition	User create new status successfully
Exception	There will show error message if there is no comment in status.

Feature : Edit status	
User scenario	4. User click button of edit status 5. User type the new status or upload the new picture 6. User click to send status
Precondition	The status that user already created.
Postcondition	User update status successfully

Exception	If User don't type anything, then the status won't successful update.

Feature : Delete status	
User scenario	User click button of delete status.
Precondition	The status that user already created.
Postcondition	User delete status successfully
Exception	None

Feature : Follow friends	
User scenario	1. User click button of "Find friends" 2. Click the button of Follow in which friend you want to follow.
Precondition	User login
Postcondition	User follow a friend successfully.
Exception	None

Feature : Upload avatar and cover	
User scenario	1. User click button of "Edit Profile" 2. User upload Avatar and Cover. 3. User click update.
Precondition	User login
Postcondition	User upload Avatar and Cover successfully.
Exception	None

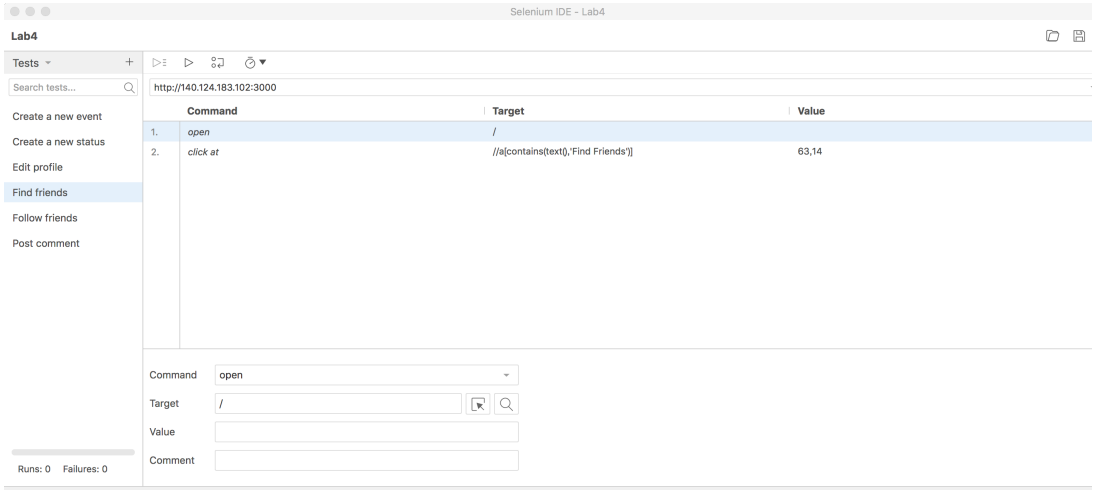
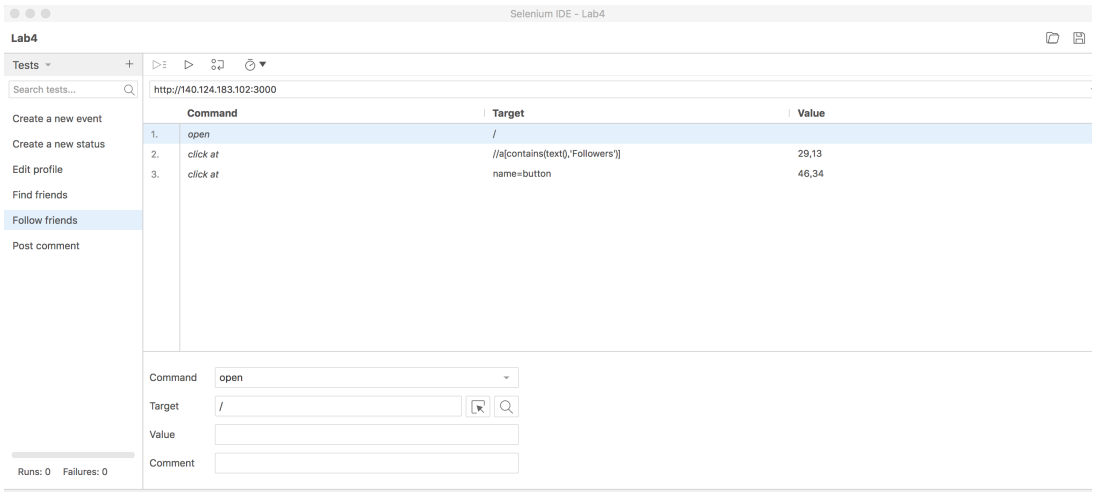
Feature : Edit all info of profile	
User scenario	1. User click button of "Edit Profile" 2. User input the new information in the certain column 3. User click Update
Precondition	User login
Postcondition	User upload profile successfully.
Exception	Error occurred when user doesn't type user name.

Because of the restrict in Selenium IDE. There are two test case failure, because both cases need to upload photo from local, it is about security and not in this test purpose.

3 Test Implementation

There are all feature test case in the following:

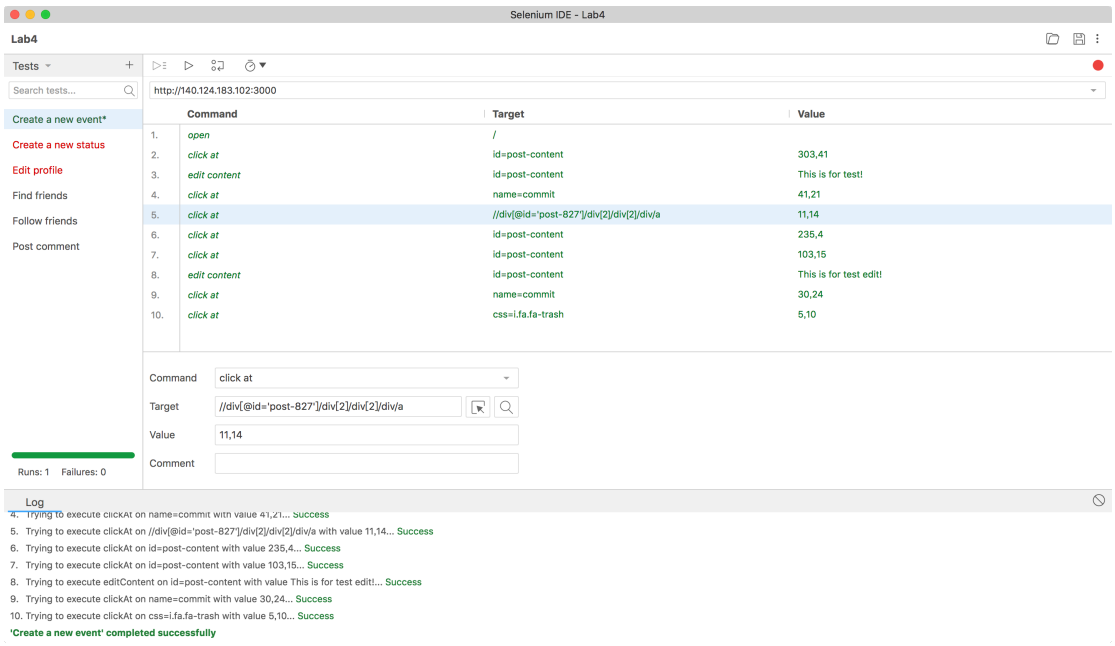
No.	Test features	Test Flow
1	Create a new event	http://140.124.183.102:3000 Command / Target / Value 1. open / / 2. click at / id=post-content / 303,41 3. edit content / id=post-content / This is for test! 4. click at / name=commit / 41,21 5. click at / //div[@id='post-798']/div[2]/div[2]/div/a / 11,14 6. click at / id=post-content / 235,4 7. click at / id=post-content / 103,15 8. edit content / id=post-content / This is for test edit! 9. click at / name=commit / 30,24 10. click at / css=i.fa.fa-trash / 5,10
2	Create a new status	http://140.124.183.102:3000 Command / Target / Value 1. click at / id=post-content / 375,41 2. edit content / id=post-content / test 3. click at / id=post-attachment / 36,22 4. type / id=post_attachment / C:\fakepath\fullsizeoutput_2e5.jpeg 5. click at / name=commit / 36,28 6. click at / //div[@id='post-806']/div[2]/div[3]/div/a / 26,10 7. click at / id=post-content / 356,44 8. edit content / id=post-content / test modify! 9. click at / name=commit / 44,21 10. click at / //div[@id='post-806']/div/div/div[2]/div[3]/div/a[2] / 25,17 11. open / /
3	Post comment	http://140.124.183.102:3000 Command / Target / Value 1. open / / 2. click at / css=#post-739 > div.actions > div.row > div.col-xs-6.comment > a.btn.btn-block / 111,24 3. click at / id=comment-text / 259,61 4. edit content / id=comment-text / This is for test! 5. click at / name=commit / 73,39 6. click at / css=i.fa.fa-trash / 4,8 7. click at / name=button / 228,24 8. click at / name=button / 175,27
	Edit profile	Selenium IDE - Lab4 Lab4 Tests Search tests... Create a new event Create a new status Edit profile Find friends Follow friends Post comment Runs: 0 Failures: 0 http://140.124.183.102:3000 Command / Target / Value 1. open / /find_friends 2. click at / xpath=(//a[contains(text(),'Edit Profile')])[2] / 40,7 3. click at / id=user_avatar / 37,13 4. type / id=user_avatar / C:\fakepath\IMG_2824.JPG 5. click at / id=user_cover / 19,16 6. type / id=user_cover / C:\fakepath\qtWZaKYjS8CVGOGqfdMq7Q.jpg 7. click at / id=user_name / 190,22 8. type / id=user_name / Jessie Lu 9. click at / id=user_about / 166,22 10. type / id=user_about / WIRL 11. click at / id=user_location / 85,24 Command open Target /find_friends Value Comment

	Find friends	
	Follow friends	

I use ISP test technique in every input area (the biggest, longest, negative, etc.), but I fount out that Selenium IDE can't show the error message about the ISP. For example, I upload profile and type 2018-13-30, this is the correct month which can't found in the calendar, but there is no any error message. So this is the the shortcomings that I found in this lab.

4 Test Results

4.1 Selenium IDE test result snapshot



5 Learning

In this lab4, different form the lab before finished, which use the “user scenarios” and “ISP” testing technique to fulfill test case, and this lab is black-box test without knowing the source code and any functions to cooperate with each other. I learn a lot of experience from this time because this test tool(Selenium IDE) is very unfamiliar with me.