

Test Plan

- 測試範圍：

社群網站 Socify (<http://140.124.183.106:3000/>)上可操作的功能如下列所示：

 - **Account**
 1. Log in
 - **Event**
 1. Create an event
 2. Edit an event
 3. Delete an event
 4. Like an event
 5. Unlike an event
 - **Comment**
 1. Write a comment
 2. Delete a comment
 - **Status**
 1. Create a status with add images
 2. Edit a status
 3. Delete a status
 - **Find friends**
 - **Edit profile**
- 測試方法：Input space partitioning (ISP) - Each Choice
- 測試終止條件：每個功能至少達成一個Happy Path (Pass)
- 測試環境：
 - Python 3.6.1 32-bit
 - Selenium
 - PyCharm (IDE)
 - Win10 64-bits (OS)
 - Chrome版本 58.0.3029.110 (64-bit)
 - ChromeDriver 2.29

Test Design

Account		
Method	Parameter (type, name)	Return
login()	1. str email 2. str password	email, password

Characteristic Description & Partitions (Blocks)
<ul style="list-style-type: none"> • C1 : email is valid - B1{true, false} • C2 : password is valid - B2{true, false}
Test Requirements (Each Choice)
<ul style="list-style-type: none"> • TT, FF
Test Cases & Memo
<ul style="list-style-type: none"> • T1 : {email="coopldh@gmail.com", password="88888888"} covers TT • T2 : {email="gg@gmail.com", password="gg"} covers FF
Test Case Expected Output
<ul style="list-style-type: none"> • T1 : {email="coopldh@gmail.com", password="88888888"} • T2 : {"Invalid Email or password."}

Event		
Method	Parameter (type, name)	Return
createEvent()	1. str eventName 2. str eventWhen	eventName, eventWhen
Characteristic Description & Partitions (Blocks)		
<ul style="list-style-type: none"> • C1 : eventName is valid - B1{true, false} • C2 : eventWhen is valid - B2{true, false} 		
Test Requirements (Each Choice)		
<ul style="list-style-type: none"> • TT, FF(Infeasible) 		
Test Cases & Memo		
<ul style="list-style-type: none"> • T1 : {eventName="EventTest!!!", eventWhen="11 May 01:16"} covers TT 		
Test Case Expected Output		
<ul style="list-style-type: none"> • T1 : {eventName="EventTest!!!", eventWhen="11 May 01:16"} 		
Method	Parameter (type, name)	Return

editEvent()	1. str eventName 2. str eventWhen	eventName, eventWhen
Characteristic Description & Partitions (Blocks)		
<ul style="list-style-type: none"> • C1 : eventName is valid - B1{true, false} • C2 : eventWhen is valid - B2{true, false} 		
Test Requirements (Each Choice)		
<ul style="list-style-type: none"> • TT, FF(Infeasible) 		
Test Cases & Memo		
<ul style="list-style-type: none"> • T1 : {eventName="EditTest???", eventWhen="2017/06/13 02:37"} covers TT 		
Test Case Expected Output		
<ul style="list-style-type: none"> • T1 : {eventName="EditTest???", eventWhen="2017/06/13 02:37"} 		
Method	Parameter (type, name)	Return
deleteEvent()	none	True/False (eventId exist)
Characteristic Description & Partitions (Blocks)		
<ul style="list-style-type: none"> • C1 : delete button is clicked - B1{true, false} 		
Test Requirements (Each Choice)		
<ul style="list-style-type: none"> • T, F(Infeasible) 		
Test Cases & Memo		
<ul style="list-style-type: none"> • T1 : {} covers T 		
Test Case Expected Output		
<ul style="list-style-type: none"> • T1 : {True} 		
Method	Parameter (type, name)	Return

likeEvent()	none	likeButton.text ("like", "unlike")
Characteristic Description & Partitions (Blocks)		
<ul style="list-style-type: none"> C1 : like button is cliked - B1{true, false} 		
Test Requirements (Each Choice)		
<ul style="list-style-type: none"> T, F(Infeasible) 		
Test Cases & Memo		
<ul style="list-style-type: none"> T1 : {} covers T 		
Test Case Expected Output		
<ul style="list-style-type: none"> T1 : {"unlike"} 		
Method	Parameter (type, name)	Return
unlikeEvent()	none	likeButton.text ("like", "unlike")
Characteristic Description & Partitions (Blocks)		
<ul style="list-style-type: none"> C1 : unlike button is cliked - B1{true, false} 		
Test Requirements (Each Choice)		
<ul style="list-style-type: none"> T, F(Infeasible) 		
Test Cases & Memo		
<ul style="list-style-type: none"> T1 : {} covers T 		
Test Case Expected Output		
<ul style="list-style-type: none"> T1 : {"like"} 		

Comment		
Method	Parameter (type, name)	Return

writeComment()	1. str text	comment text
Characteristic Description & Partitions (Blocks)		
<ul style="list-style-type: none"> C1 : text is valid - B1{true, false} 		
Test Requirements (Each Choice)		
<ul style="list-style-type: none"> T, F(Infeasible) 		
Test Cases & Memo		
<ul style="list-style-type: none"> T1 : {text="Write Comment Test!!!"} covers T 		
Test Case Expected Output		
<ul style="list-style-type: none"> T1 : {"Write Comment Test!!!"} 		
Method	Parameter (type, name)	Return
deleteComment()	none	True/False (commentId exist)
Characteristic Description & Partitions (Blocks)		
<ul style="list-style-type: none"> C1 : delete button is clicked - B1{true, false} 		
Test Requirements (Each Choice)		
<ul style="list-style-type: none"> T, F(Infeasible) 		
Test Cases & Memo		
<ul style="list-style-type: none"> T1 : {} covers T 		
Test Case Expected Output		
<ul style="list-style-type: none"> T1 : {True} 		

Status		
Method	Parameter (type, name)	Return

createStatusWithImages()	1. str statustext 2. str statusImage	Context, ImagePath
Characteristic Description & Partitions (Blocks)		
<ul style="list-style-type: none"> • C1 : statustext is valid - B1{true, false} • C2 : statusImage is valid - B2{true, false} 		
Test Requirements (Each Choice)		
<ul style="list-style-type: none"> • TT, FF(Infeasible) 		
Test Cases & Memo		
<ul style="list-style-type: none"> • T1 : {statusInput="Create Status Test!!!", statusImage="moonmoon.gif"} covers TT 		
Test Case Expected Output		
<ul style="list-style-type: none"> • T1 : {statusInput="Create Status Test!!!", statusImage= Image's fullPath include("moonmoon.gif")} 		
Method	Parameter (type, name)	Return
editStatus()	1. str statustext 2. str statusImage	Context, ImagePath
Characteristic Description & Partitions (Blocks)		
<ul style="list-style-type: none"> • C1 : statustext is valid - B1{true, false} • C2 : statusImage is valid - B2{true, false} 		
Test Requirements (Each Choice)		
<ul style="list-style-type: none"> • TT, FF(Infeasible) 		
Test Cases & Memo		
<ul style="list-style-type: none"> • T1 : {statusInput="Edit Status Test!!!", statusImage="nickyoung.gif"} covers TT 		
Test Case Expected Output		
<ul style="list-style-type: none"> • T1 : {statusInput="Edit Status Test!!!", statusImage= Image's fullPath include("nickyoung.gif")} 		

Method	Parameter (type, name)	Return
deleteStatus()	none	True/False (statusId exist)
Characteristic Description & Partitions (Blocks)		
<ul style="list-style-type: none"> • C1 : delete button is clicked - B1{true, false} 		
Test Requirements (Each Choice)		
<ul style="list-style-type: none"> • T, F(Infeasible) 		
Test Cases & Memo		
<ul style="list-style-type: none"> • T1 : {} covers T 		
Test Case Expected Output		
<ul style="list-style-type: none"> • T1 : {True} 		

Friends		
Method	Parameter (type, name)	Return
findFriends()	1. str name	followButton.text
Characteristic Description & Partitions (Blocks)		
<ul style="list-style-type: none"> • C1 : name is valid - B1{true, false} 		
Test Requirements (Each Choice)		
<ul style="list-style-type: none"> • T, F(Infeasible) 		
Test Cases & Memo		
<ul style="list-style-type: none"> • T1 : {name="Red"} covers TT 		
Test Case Expected Output		
<ul style="list-style-type: none"> • T1 : {"unfollow"} 		

Profile		
Method	Parameter (type, name)	Return
editProfile()	1. str avatar 2. str cover 3. str name 4. str about 5. str location 6. str phone 7. str dob 8. str sex	avatarIsTheSame, coverIsTheSame, name, about, location, phone, dob, sex
Characteristic Description & Partitions (Blocks)		
<ul style="list-style-type: none"> • C1 : avatar is valid - B1{true, false} • C2 : cover is valid - B2{true, false} • C3 : name is valid - B3{true, false} • C4 : about is valid - B4{true, false} • C5 : location is valid - B5{true, false} • C6 : phone is valid - B6{true, false} • C7 : dob is valid - B7{true, false} • C8 : sex is valid - B8{true, false} 		
Test Requirements (Each Choice)		
<ul style="list-style-type: none"> • TTTTTTTT, FFFFFFFF(Infeasible) 		
Test Cases & Memo		
<ul style="list-style-type: none"> • T1 : {avatar = 'marceline.png', cover = 'babyFP.png', name = '105598001', about = 'Edit Profile About', location = 'Edit Profile Location', phone = '0912345678', dob = '2000/08/07', sex = 'Male'} covers TTTTTTTT 		
Test Case Expected Output		
<ul style="list-style-type: none"> • T1 : {avatarIsTheSame = True, coverIsTheSame = True, 		


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name = '105598001',
about = 'Edit Profile About',
location = 'Edit Profile Location',
phone = '0912345678',
dob = '2000/08/07',
sex = 'Male'}

```

Test Implementation

Account

Method	Test Scripts
login()	<ul style="list-style-type: none"> Line 23~45 in Tests.py Line 7~27 in Account.py

Event

Method	Test Scripts
createEvent()	<ul style="list-style-type: none"> Line 64~78 in Tests.py Line 7~28 in Event.py
editEvent()	<ul style="list-style-type: none"> Line 80~101 in Tests.py Line 30~53 in Event.py
deleteEvent()	<ul style="list-style-type: none"> Line 104~120 in Tests.py Line 55~72 in Event.py
likeEvent()	<ul style="list-style-type: none"> Line 122~138 in Tests.py Line 74~91 in Event.py
unlikeEvent()	<ul style="list-style-type: none"> Line 140~156 in Tests.py Line 93~114 in Event.py

Comment

Method	Test Scripts
writeComment()	<ul style="list-style-type: none"> Line 175~191 in Tests.py Line 7~23 in Comment.py

deleteComment()	<ul style="list-style-type: none"> • Line 193~213 in Tests.py • Line 25~44 in Comment.py
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Status

Method	Test Scripts
createStatusWithImages()	<ul style="list-style-type: none"> • Line 232~245 in Tests.py • Line 8~28 in Status.py
editStatus()	<ul style="list-style-type: none"> • Line 247~268 in Tests.py • Line 30~54 in Status.py
deleteStatus()	<ul style="list-style-type: none"> • Line 270~286 in Tests.py • Line 56~73 in Status.py

Friends

Method	Test Scripts
findFriends()	<ul style="list-style-type: none"> • Line 305~314 in Tests.py • Line 7~46 in Friends.py

Profile

Method	Test Scripts
editProfile()	<ul style="list-style-type: none"> • Line 333~362 in Tests.py • Line 8~60 in Profile.py

Test Result

Report File : Test Results - Unittests_in_Tests_py.html

Unittests in Tests.py: 14 total, 14 passed

3 m 15 s

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Tests	3 m 15 s
AccountTest	21.83 s
test_login	passed 10.08 s
test_login_fail	passed 11.75 s
CommentTest	31.14 s
test_delete_comment	passed 16.72 s
test_write_comment	passed 14.42 s
EventTest	1 m 13 s
test_create_event	passed 12.61 s
test_delete_event	passed 13.75 s
test_edit_event	passed 15.45 s
test_like_event	passed 15.33 s
test_unlike_event	passed 16.12 s
FriendsTest	13.53 s
test_find_friend	passed 13.53 s
ProfileTest	13.37 s
test_edit_profile	passed 13.37 s
StatusTest	42.19 s
test_create_status_with_images	passed 12.08 s
test_delete_status	passed 13.87 s
test_edit_status	passed 16.25 s

Ran 14 tests in 195.323s
OK