Micro Arrays TestCase

Name: TC-01 Save .cell file	
Creator: Pablo Rodriguez	
Version: 28/04/2019	
Description/Purpose: User can save .cell file in his account	
Actor: Registered user	
Test Data: Saved completed [valid, error]	
Precondition: User need to log in	
Dependencies: user need a uploaded file	
Steps:	**Expected Result:**
1.- User need to create an account	1.- User create correctly his account
2.- User need to log in	2.- User log in correctlly
3.- User need to upload a cel file	3.- user's file upload correctly

Condition of entry that discusses	Classes valid for the condition Analyzed	Classes not valid for the condition analyzed
Saved completed	File need to have extensión .cell (1)	File name can't contain numbers (2)

Valid prove case TC-01 Save .cell file	Classes for the condition Analyzed	Result
bort.cell	(1)	Success
bort3.cell	(2)	Error: Name not valid. Numbers found

Name: TC-01 Consulting .cell	
Creator: Andres Tenesaca Burgos	
Version: 28/04/2019	
Description/Purpose: user can consult saved .cell files in DB	
Actor: Registered user	
Test Data: Display previously saved -cell files	
Precondition: User need to log in	
Dependencies: user need a uploaded file	

Steps:	Expected Result:
1.- User need to create an account	1.- User create correctly his account
2.- User need to log in	2.- User log in correctlly
3.- User need to upload a cel file	3.- user's file upload correctly
4.- User enters a view to display saved .cell files	4.- user can displat the view with all his saved files

Condition of entry that discusses	Classes valid for the condition Analyzed	Classes not valid for the condition analyzed
Display previously saved -cell files	User need to upload a file or previous files (1)	

Valid prove case TC-01 Save .cell file	Classes for the condition Analyzed	Result
viewCell_all	(1)	Success

Name: TC-07 Upload .cell	
Creator: Pablo Rodriguez	
Version: 28/04/2019	
Description/Purpose: user can upload .cell files for further analysis	
Actor: Registered user	
Test Data: Button [working, not working]	
Precondition: User need to log in	
Dependencies: user need a file to upload	

Steps:	Expected Result:
1. User clicks upload button and a new window appears 2. In the window, searchs for .cell file	1.- Successful upload

Condition of entry that discusses	Classes valid for the condition Analyzed	Classes not valid for the condition analyzed
Button	User upload a correct file type (1)	User upload a incorrect file type(2)

Valid prove case TC-01 Save .cell file	Classes for the condition Analyzed	Result
Button	(1)	Success
Bort2.png	(2)	Error
bort3.txt	(3)	Error
array.cell	(4)	Success

Name: TC-10 Make Query
Creator: Andrés Tenesaca
Version: 28/04/2019
Description/Purpose: user can search for .cell with an ID in 2 external database
Actor: Registered user, Unregistered user
Test Data: DB selector ["GEOquery", "ArrayServer"], Query Id [valid, invalid]
Precondition: None
Dependencies: None

Steps:	Expected Result:
1- User has to choose which DB once to search 2- then user introduces array id to search it	1- Show plot from the searched ID

Condition of entry that discusses	Classes valid for the condition Analyzed	Classes not valid for the condition analyzed
DB selector	Select between two data bases(1)	
Query Id	User enter a correct DBID(2)	User introduce an incorrect DBID(3)

Valid prove case TC-01 Save .cell file	Classes for the condition Analyzed	Result
GEOquery	(1)	Success
GDS507	(2)	Success
GSM11805AAAA	(3)	Error

Name: TC-11 Saving Queries	
Creator: Pablo Rodriguez	
Version: 28/04/2019	
Description/Purpose: user can store previous queries in user data base	
Actor: Registered user	
Test Data: Query saved completed[valid, invalid]	
Precondition: Registered user	
Dependencies: None	
Steps:	**Expected Result:**
1- Saving successfully queried array's id	1- Query ID inserted in user data base

Condition of entry that discusses	Classes valid for the condition Analyzed	Classes not valid for the condition analyzed
Query saved completed	ID successfully save (1)	Query not introduces(2)

Valid prove case TC-01 Save .cell file	Classes for the condition Analyzed	Result
GDS507	(1)	Success
No query made and save botton available	(2)	Button enabled

Name: TC-12 Consulting saves queries	
Creator: Andres Tenesaca	
Version: 28/04/2019	
Description/Purpose: user can access previously saved queries	
Actor: Registered user	
Test Data: Display previously saved id queries	
Precondition: Registered user	
Dependencies: None	
Steps: 1. User enters a view to display saved queries	**Expected Result:** 1- User can view a history of saved queries

Condition of entry that discusses	Classes valid for the condition Analyzed	Classes not valid for the condition analyzed
Display previously saved id queries	Enter correct path(1)	

Valid prove case TC-01 Save .cell file	Classes for the condition Analyzed	Result
/viewQuery_all	(1)	Success

Name: TC-03 Graphics and tables	
Creator: Pablo Rodriguez	
Version: 28/04/2019	
Description/Purpose: print reactive graphics and tools	
Actor: Registered user, Unregistered user	
Test Data: checkbox [barplot, hist, heatmap...]	
Precondition: None	
Dependencies: None	
Steps: 1- User selects which type of graph or table to see	**Expected Result:** 1- Generate a graphic of .cel data

Condition of entry that discusses	Classes valid for the condition Analyzed	Classes not valid for the condition analyzed
checkbox	Choose diferent types of plots(1)	

Valid prove case TC-01 Save .cell file	Classes for the condition Analyzed	Result
data.table	(1)	Success

Name: TC-04 Register
Creator: Andres Tenesaca
Version: 28/04/2019
Description/Purpose: register new user
Actor: Unregistered user
Test Data: name[valid, invalid], Password[valid, invalid], Email [valid, invalid]
Precondition: The mail introduced by the user can't be used by other user.
Dependencies: None

Steps:	Expected Result:
1- Researcher for using the app, first puts username 2- then tries a password, which has to repeat 3- enters a unique email	1- Create a new user

Condition of entry that discusses	Classes valid for the condition Analyzed	Classes not valid for the condition analyzed
Name	Max. Characters 10 digits (1)	Insert more than 10 digits (2) Insert less than 4 digits (3) Insert invalid characters (4)
Password	Max. Characters 10 digits and numbers (5)	No numbers inserted (6) Insert less than 8 digits (7) Repeated pasword(8)
Email	Max. characters 20 digits with one @ in the middle and end with dot and 2 or 3 characters more.(11)	Invalid mail(12) Incorrect format(14) Email already used(16)

Valid prove case TC-01 Save .cell file	Classes for the condition Analyzed	Result
Kakarot	(1)	Success
Esto es una frase larguísima	(2)	Error: Name not valid. Length exceeds
K	(3)	Error: Name not valid. Length is not min
@@@@	(4)	Error: Name not valid. Invalid character.
Bonparapara1	(5)	Success
!!!!Paaaac	(6)	Error: pass not valid.

		Needs 1 number at least
Kakarot	(7)	Error: Pass not valid. Length is not min
CoNtRaSeñA1	(8)	Error: not repeated password
comolagente44@hotmail.com	(11)	Success
.@yahoo.es	(12)	Error: mail not valid
www.yahoo.es	(14)	Error: bad email format
Bold_one@kamisama.com	(16)	Error: email already used

Name: TC-05 Login	
Creator: Pablo Rodriguez	
Version: 28/04/2019	
Description/Purpose: Login existing user	
Actor: Unregistered user	
Test Data: name[valid, invalid], Password[valid, invalid]	
Precondition: The user name introduced by the user can't be used by other user	
Dependencies: None	
Steps: 1- For login, first introduce username 2- Then the password	Expected Result: 1- Successful log in

Condition of entry that discusses	Classes valid for the condition Analyzed	Classes not valid for the condition analyzed
Name	Max. Characters 10 digits (1) Correct username (5)	Insert more than 10 digits (2) Insert less than 4 digits (3) Insert invalid characters (4) Incorrect username (6)
Password	Max. Characters 15 digits and numbers (9) Correct password(11)	Insert less than 8 digits (7) No numbers inserted (8) Repeated pasword(10) Incorrect password(12) Empty password(13)

Valid prove case TC-01 Save .cell file	Classes for the condition Analyzed	Result
Kakarot	(1)	Success
Esto es una frase larguísima	(2)	Error: Name not valid. Length exceeds
K	(3)	Error: Name not valid. Length is not min
@@@@	(4)	Error: Name not valid. Invalid character.
Vegetta	(5)	Success
Pete	(6)	Error: name not found
Kakarot	(7)	Error: Pass not valid. Length is not min
!!!!Paaaac	(8)	Error: not repeated password
Bonparapara1	(9)	Success
CoNtRaSeñA1	(10)	Error: not repeated

		password
Not_another_pass1	(11)	Success
@Flyingfree4	(12)	Success
[Whitespace]	(13)	Error: pass cannot be empty

Name: TC-06 Change template	
Creator: Andres Tenesaca	
Version: 28/04/2019	
Description/Purpose: Changing Shiny app template	
Actor: registered user, Unregistered user	
Test Data: Select[templates]	
Precondition: None	
Dependencies: None	
Steps: 1- User selects a template	**Expected Result:** 1- Successfully changed template

Condition of entry that discusses	Classes valid for the condition Analyzed	Classes not valid for the condition analyzed
Select	Template changed successfully (1)	

Valid prove case TC-01 Save .cell file	Classes for the condition Analyzed	Result
Cerulean	(1)	Success
Cosmo	(1)	Success
Cyborg	(1)	Success
Darkly	(1)	Success