

Paediatric Scale Test Report

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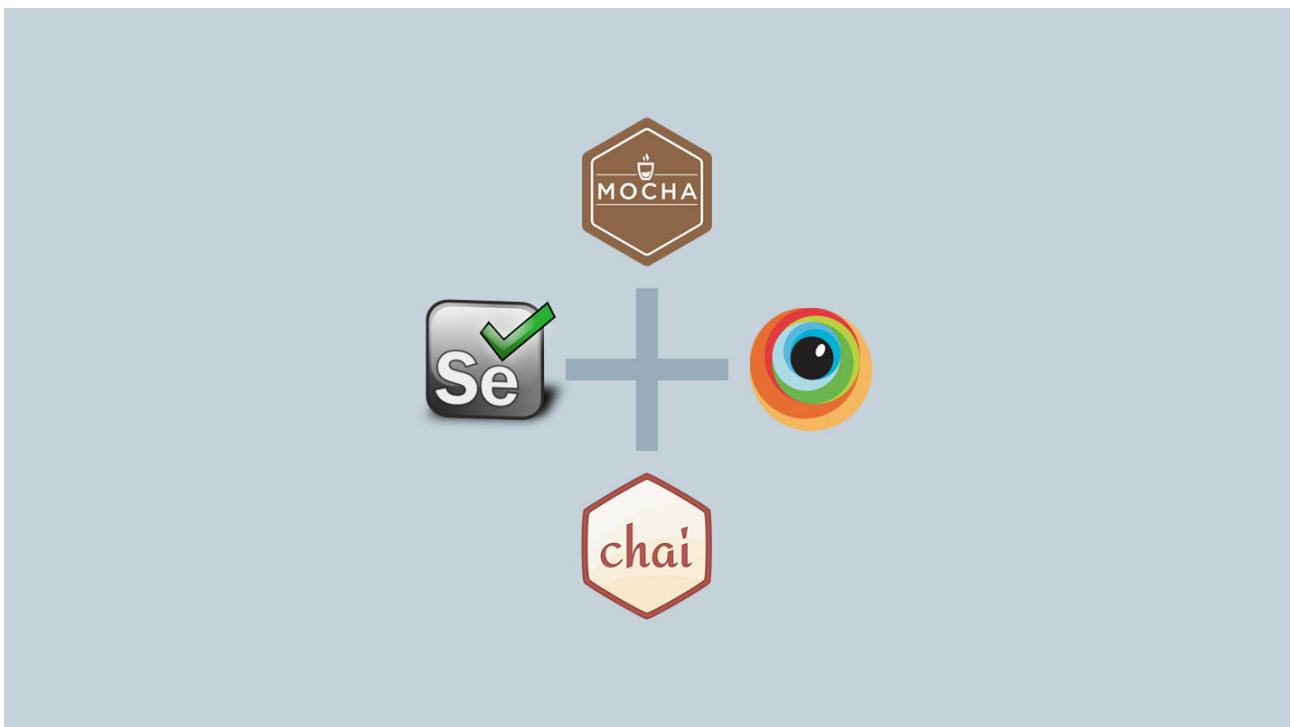
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1. INTRODUCTION

Successive development cycles will require execution of the same test suite repeatedly. Using a test automation tool, it's possible to record this test suite and re-play it as required. Once the test suite is automated, no human intervention is required. This improved ROI of Test Automation. The goal of Automation is to reduce the number of test cases to be run manually and not to eliminate Manual Testing altogether.

According to the careful experiment and research result, we decide to take Selenium, Mocha and Chrome as our front-end back-end testing toolsets, the reason is explained below.



Front-end testing tools and interface:

For the front end, due to the design of the graphic user interface (GUI), we can choose from manually testing or also adopting automated testing tools. For our project, after carefully thinking, we decide to adopt Selenium as an automated testing tool.

There are many benefits of adopting selenium as the front end testing tool:

- Simpler Installation process
- More realistic browser interaction
- A separate component such as the RC server is inessential
- Faster Execution time
- Open Source

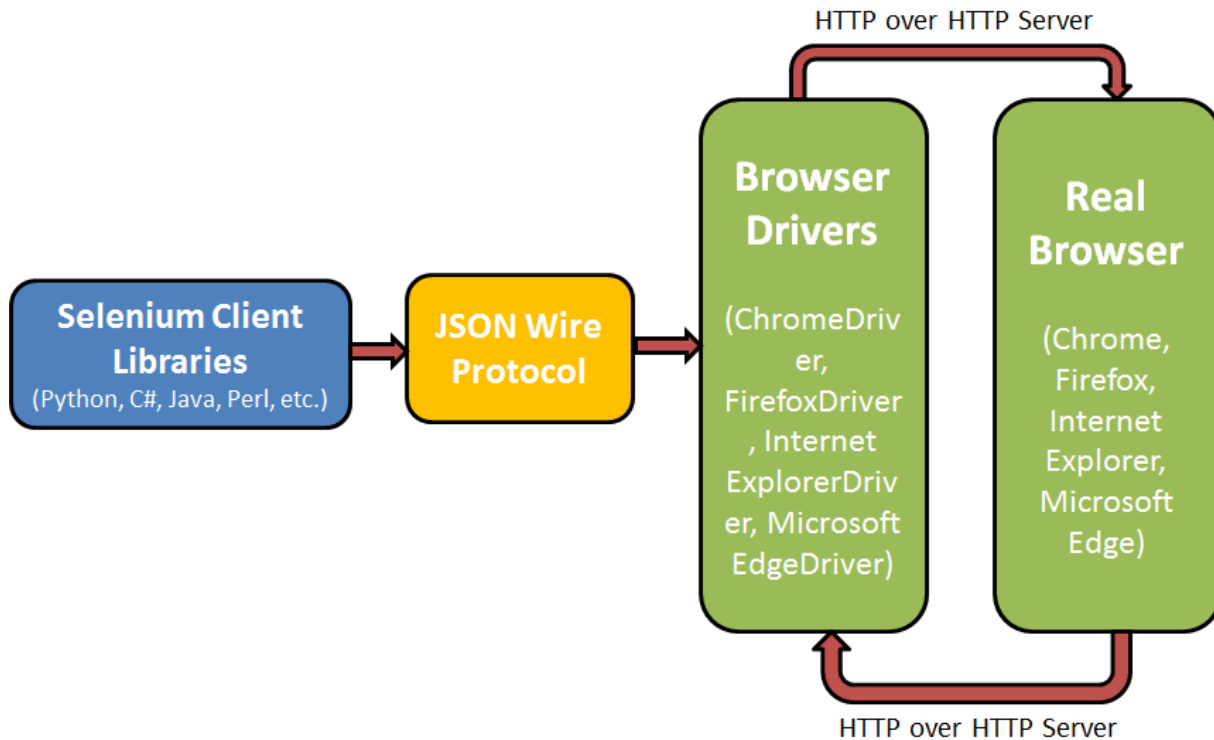
- Capability to run tests across different browsers
- Supports multiple operation systems
- Supports mobile devices
- Capability to execute tests in parallel



As far as testing a web application is concerned, selenium is a popular open-source tool using which web testing can be performed against popular browsers like Chrome, Firefox, Opera etc. The framework can also be used if the test has to be performed on Internet Explorer (latest version or the legacy versions).

Selenium WebDriver is considered as one of the core components of the Selenium framework. Selenium WebDriver API is a collection of open-source APIs/language-specific bindings that accepts commands and sends them to the browser (against which the testing is performed). The individual who is responsible for developing the tests need not bother about the 'architecture details or other technical specifications' of the web-browser since WebDriver

acts as an interface between the test –suite/test-case & web-browser (achieved using browser-specific WebDriver). Selenium WebDriver supports different programming languages like Python, C#, Ruby, PERL, Java, etc. The diagram below shows the simplified view of the Selenium WebDriver Interface. We have already covered [Selenium Webdriver Architecture](#) in-depth in our earlier post.



Back-end testing tools and interface:

For the back end, we plan to adopt Mocha as our testing framework since our back-end is built on Node.js.

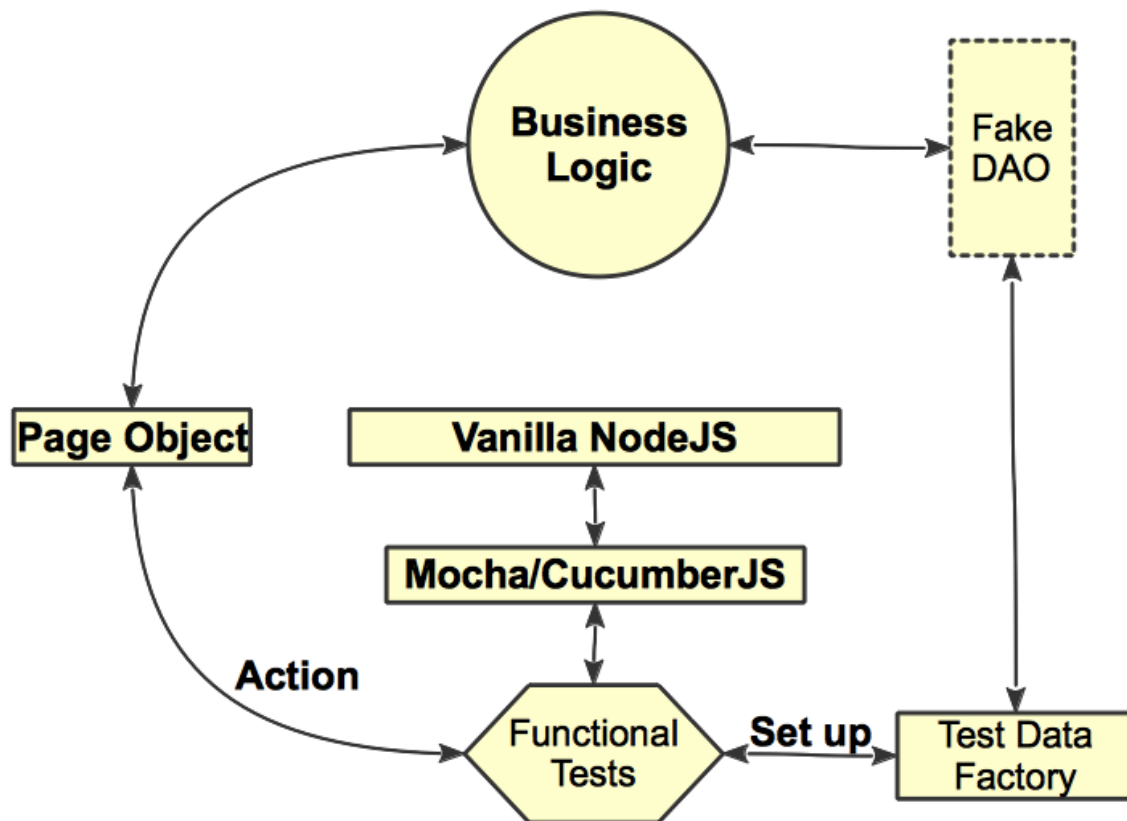
From the start when we looked for a testing framework, we had two main aims — the tool should cover our needs, in particular back-end testing, and it should be used and highly respected by the developers' community. Mocha JS does both.

It is a solid open-source testing framework used by JavaScript developers for unit testing. We like frameworks that are easy to use, open-source, flexible and have a great support community.

Unlike Jasmine, for example, Mocha is used with third party assertions, mocking, and spying tools. It also provides a wide variety of features allowing to create descriptive auto-tests, reports and even running automated tests each time the file was changed locally. And the list could go on!

During the working process, we have singled out the other benefits of using this Javascript testing framework.

We plan to place Mocha testing like unit testing between the NodeJS original code and the functional tests. If all the unit test runs, it will generate a report to tell the developer about the testing coverage and the result (pass/failure) of each assertion.



Mocha, unlike other test frameworks, includes no built-in assertion library. An assertion library throws exceptions on failure.

No assertion library out of the box may seem like strength and weakness at the same time. Mocha requires more configuration and, therefore, may seem intimidating for beginners. On the other hand, this makes Mocha test coverage very flexible.

Mocha software works with a number of JavaScript assertion libraries like Express.js, Should.js, Chai, Unexpected and Better-Assert, etc. We opted for Chai Js.

Mocha is a library that allows running tests, while Chai contains helpful functionality to verify test results.

In fact, Chai can be paired with any unit test JavaScript framework.

Using a combination of Mocha and Chai is a great option that provides living documentation for the specifications of the features of your products.

There are several benefits of adopting Mocha as our back-end testing tool:

1. Supports both Behavior Driven Development (BDD) and Test-Driven Development (TDD)
2. Supports any assertion library
3. Makes asynchronous testing easy
4. Integrates fairly well with NodeJS
5. Allows the use of a variety of reporters and customization
6. Is compatible with most web browsers

2. UNIT TEST

Unit test is the practice of testing small piece of code, typically individual functions, alone and isolated.

Unit tests should be fairly simple to write. A unit test should essentially just give the function that's tested some inputs, and then check what the function output is correct. The unit test is the only testing method that helps to write better code.

Setup for running the unit-test on your machine :

- For running the frontend unit test :
 1. You need to download the “chromedriver.exe”, and you have to put this into the same directory with the frontend testing files.
 2. After you have set up the environment, you can run the client side of our application.
 3. Then you can use PyCharm or terminal to run the frontend test files. These tests will run automatically.
- For running the backend Unit test :
 1. You need to download the mocha and chai. You can run code “npm install --global mocha” and “npm install --gobal chai” in terminal.
 2. Then you need to put set-up json files in the server side, for now you have already set it up.
 3. Now you need to create a new folder and names it, then put the testing file into this folder.
 4. Run the server, and then you can use “npm test” to run the test cases. The unit test cases will be tested automically.

• Unit Test Cases Sprint 1

Unit Test Suites Sprint 1 — Frontend :

Test ID	Testing File	Input	Expected Output	Test Result
1	unittest_frontend_adminLoginPage	Click the navbar-left at the application home page.	Reload the application home page.	P
2		Click the Admin button at the application home page.	Load into the admin login page.	P
3		Select the username text-box and do nothing.	The username text-box is selected and shows "Write the admin username" reminder.	P
4		Select the username text-box and fill "test_username" in it.	The username text-box is filled in with "test_username"	P
5		Select the username text-box and fill "test_username" in it. Then click the ENTER button.	The password text-box is selected and shows "Write the admin password" reminder.	P
6		Select the password text-box and do nothing.	The password text-box is selected and shows "Write the admin password" reminder.	P
7		Select the password text-box and fill "test_password" in it.	The password text-box is filled in with "test_password"	P
8		Select the password text-box and fill "test_password" in it. Then click the ENTER button.	The password text-box is selected and shows "Write the admin username" reminder.	P
9		Click the MuiIconButton in admin login page.	The slash disappear in MuiIconButton.	P
10		Select the password text-box and fill "test_password" in it. Then click the MuiIconButton.	The slash disappear in MuiIconButton. The password text-box shows "test_password".	P
11		Click the ENTER button without any username and password.	The username text-box shows "Write the admin username" reminder. The password text-box shows "Write the admin password" reminder.	P
12		Click the ENTER button with username "test_username" and password "test_password".	Should pop up some reminder information claims that the login information is wrong.	F
13		Click the navbar-left at the top left corner of the admin login page.	Back to the application home page.	P
14	unittest_frontend_clinicianLoginPage	Click the Clinician button at the application home page.	Load into the clinician signup & login page.	P
15	unittest_frontend_loginPage	Select the email text-box and do nothing.	The email text-box is selected.	P
16		Select the email text-box and fill "test_email@google.com" in it.	The email text-box is filled in with "test_email@google.com".	P
17		Select the email text-box and fill "test_email@google.com" in it. Then click the LOG IN button.	A reminder pops up, which is "Wrong email or password".	P

Test ID	Testing File	Input	Expected Output	Test Result
18		Select the email text-box and fill "test_email@google.com" in it. Then click the SIGN UP button.	A reminder pops up, which is "String (password) is too short (0 chars), minimum 1".	P
19		Select the email text-box and fill "test_email" in it. Then click the LOG IN button.	A reminder pops up, which is "Wrong email or password".	P
20		Select the email text-box and fill "test_email" in it. Then click the SIGN UP button.	A reminder pops up, which is "String (password) is too short (0 chars), minimum 1".	P
21		Select the password text-box and do nothing.	The password text-box is selected.	P
22		Select the password text-box and fill "Password123" in it.	The password text-box is filled in with ".....".	P
23		Select the password text-box and fill "Password123" in it. Then click the LOG IN button.	A reminder pops up.	F
24		Select the password text-box and fill "Password123" in it. Then click the SIGN UP button.	A reminder pops up, which is "error in email - email format validation failed:".	P
25		Select the password text-box and fill "test_password" in it. Then click the LOG IN button.	A reminder pops up.	F
26		Select the password text-box and fill "test_password" in it. Then click the SIGN UP button.	A reminder pops up, which is "error in email - email format validation failed".	P
27		Click the SIGN UP button without input.	A reminder pops up, which is "String (password) is too short (0 chars), minimum 1".	P
28		Select the email text-box and fill "unittest" in it. Select the password text-box and fill "1" in it. Then click the SIGN UP button.	A reminder pops up, which is "error in email - email format validation failed".	P
29		Select the email text-box and fill "unittest2@gmail.com" in it. Select the password text-box and fill "Unittest123" in it. Then click the SIGN UP button.	Sign up successfully, and load the clinician home page.	P
30		Select the email text-box and fill "jianj2@gmail.com" in it. Select the password text-box and fill "Password123" in it. Then click the SIGN UP button.	A reminder pops up, which is "Invalid sign up".	P
31		Click the LOG IN button without input.	A reminder pops up.	F
32		Select the email text-box and fill "unittest" in it. Select the password text-box and fill "1" in it. Then click the LOG IN button.	A reminder pops up, which is "Wrong email or password.".	P

Test ID	Testing File	Input	Expected Output	Test Result
33		Select the email text-box and fill "unittest2@gmail.com" in it. Select the password text-box and fill "Unittest123" in it. Then click the LOG IN button.	Sign up successfully, and load the clinician home page.	P
34		Select the email text-box and fill "unittest2@gmail.com" in it. Select the password text-box and fill "Unittest123" in it. Then click the LOG IN button. Then click the logout button.	Logoff the account and load the application home page.	P
35	unittest_frontend_clinicianHomePage	Click the Questionnaire button after login to the system.	Change the router to " http://localhost:3000/clinician/Questionnaires ".	P
36	unittest_frontend_clinicianAfterLoginPage	Click the Questionnaire button after login to the system. Then click the navbar-left.	Back to the application home page, but have not logoff.	P
37		Click the Questionnaire button after login to the system. Then click the logout button.	Logoff and back to the application home page.	P
38		Click the Questionnaire button after login to the system. Then click the DoTheTest button.	Change the router to " http://localhost:3000/clinician/DoTheTest ".	P
39		Click the Questionnaire button after login to the system. Then click the Instruction button.	Change the router to " http://localhost:3000/clinician/Instructions ".	P
40		Click the DoTheTest button after login to the system.	Change the router to " http://localhost:3000/clinician/DoTheTest ".	P
41		Click the DoTheTest button after login to the system. Then click the navbar-left.	Back to the application home page, but have not logoff.	P
42		Click the DoTheTest button after login to the system. Then click the logout button.	Logoff and back to the application home page.	P
43		Click the DoTheTest button after login to the system. Then click the Questionnaire button.	Change the router to " http://localhost:3000/clinician/Questionnaires ".	P
44		Click the DoTheTest button after login to the system. Then click the Instruction button.	Change the router to " http://localhost:3000/clinician/Instructions ".	P
45		Click the Instruction button after login to the system.	Change the router to " http://localhost:3000/clinician/Instructions ".	P
46		Click the Instruction button after login to the system. Then click the navbar-left.	Back to the application home page, but have not logoff.	P

Test ID	Testing File	Input	Expected Output	Test Result
47		Click the Instruction button after login to the system. Then click the logout button.	Logoff and back to the application home page.	P
48		Click the Instruction button after login to the system. Then click the Questionnaire button.	Change the router to " http://localhost:3000/clinician/Questionnaires ".	P
49		Click the Instruction button after login to the system. Then click the DoTheTest button.	Change the router to " http://localhost:3000/clinician/DoTheTest ".	P
50		Click the navbar-left after login to the system.	Reload this page.	P
51		Click the logout button after login to the system.	Logoff and back to the application home page.	P
52		Click the navbar-left after login to the system. Then click the logout button.	Logoff and back to the application home page.	P
53		Click the clinician button after login to the system.	Load the clinician home page.	P
54		Click the clinician button after login to the system. Then click the logout button.	Logoff and back to the application home page.	P
55		Click the clinician button after login to the system. Then click the navbar-left.	Back to the application home page, but have not logoff.	P
56		Click the admin button after login to the system.	Load the admin login page.	P
57		Click the admin button after login to the system. Then click the logout button.	Logoff and back to the application home page.	P
58		Click the admin button after login to the system. Then click the navbar-left.	Back to the application home page, but have not logoff.	P
59	unittest_frontend_parentPage1	Click the navbar-left at the first page that used by patients to conduct the questionnaire.	Back to the application home page.	P
60	unittest_frontend_parentPage2	Click the next button at the first page that used by patients to conduct the questionnaire.	Load the second page that used by patients to conduct the questionnaire.	P
61	unittest_frontend_parentPage3	Click the navbar-left at the second page that used by patients to conduct the questionnaire.	Back to the application home page.	P
62	unittest_frontend_parentPage4	Click the instruction button at the second page that used by patients to conduct the questionnaire.	Back to the instruction page that used by patients to conduct the questionnaire.	P
63		Click the back button at the second page that used by patients to conduct the questionnaire.	Back to the first page that used by patients to conduct the questionnaire.	P

Test ID	Testing File	Input	Expected Output	Test Result
64		Click the next button at the second page that used by patients to conduct the questionnaire.	All input text-boxes are highlight by red line for and shows reminder.	P
65		Select the children name text-box at the second page that used by patients to conduct the questionnaire.	The children name text-box is selected.	P
66		Fill "Daniel" into the children name text-box at the second page that used by patients to conduct the questionnaire.	The children name text-box is filled with "Daniel".	P
67		Select the date box at the second page that used by patients to conduct the questionnaire.	The date box is selected.	P
68		Fill "2020/06/13" into the date box at the second page that used by patients to conduct the questionnaire.	The date box is filled with "2020/06/13".	F
69		Select the completeBy box at the second page that used by patients to conduct the questionnaire.	The completeBy box is selected.	P
70		Fill "Parent" into the completeBy box at the second page that used by patients to conduct the questionnaire.	The completeBy box is filled with "Parent".	P
71		Fill "Child" into the completeBy box at the second page that used by patients to conduct the questionnaire.	The completeBy box is filled with "Child".	P
72		Select the rightDeviceType box at the second page that used by patients to conduct the questionnaire.	The rightDeviceType box is selected.	P
73		Fill "Device A" into the rightDeviceType box at the second page that used by patients to conduct the questionnaire.	The rightDeviceType box is filled with "Device A".	P
74		Fill "Device B" into the rightDeviceType box at the second page that used by patients to conduct the questionnaire.	The rightDeviceType box is filled with "Device B".	P
75		Select the leftDeviceType box at the second page that used by patients to conduct the questionnaire.	The leftDeviceType box is selected.	P
76		Fill "Device A" into the leftDeviceType box at the second page that used by patients to conduct the questionnaire.	The leftDeviceType box is filled with "Device A".	P

Test ID	Testing File	Input	Expected Output	Test Result
77		Fill "Device B" into the leftDeviceType box at the second page that used by patients to conduct the questionnaire.	The leftDeviceType box is filled with "Device B".	P
78		Fill in all the information {Daniel, 202000/06/13, Parent, Device A, Device B}. Then click the next button.	Load the third page that used by patients to conduct the questionnaire.	P
79		Click the back button at the third page that used by patients to conduct the questionnaire.	Back to the second page that used by patients to conduct the questionnaire.	P
80		Click the instruction button at the third page that used by patients to conduct the questionnaire.	Back to the instruction page that used by patients to conduct the questionnaire.	P
81		Click the review button at the third page that used by patients to conduct the questionnaire.	Load the fourth page that used by patients to conduct the questionnaire.	P
82		Click the back button at the third page that used by patients to conduct the questionnaire.	Back to the third page that used by patients to conduct the questionnaire.	P
83		Click the submit button at the third page that used by patients to conduct the questionnaire.	Submit the questionnaire.	P

Unit Test Suites Sprint 1 — Backend :

Test ID	Router	(GET / POST)	Input	Expected Output	Test Result
1	request('http://localhost:3001/admin')	post('/login')	username : " password : 'testPassword'	res.status = 200 res.body.code = 1 res.body.message = 'Username can not be empty!'	P
2			username : 'tester' password : "	res.status = 200 res.body.code = 2 res.body.message = 'Password can not be empty!'	P
3			username : 'AdminUser1' password : 'pw1234'	res.status = 200 res.body.code = 3	P
4			username : 'tester' password : 'testPassword'	res.status = 200 res.body.code = 4 res.body.message = 'Incorrect details!'	P
5	request('http://localhost:3001/clinician')	get('/')		res.status = 200 Output should be the clinician list in the database.	P

Test ID	Router	(GET / POST)	Input	Expected Output	Test Result
6		post('/share')	clinicianEmail : 'jiaojian1996@gmail.com' patientEmail 'jiaojian1996@gmail.com' questionnaireId : 'c93d2b90-a682-11ea-963d-d72d9d1c93cb' readOnly : false message : 'test'	res.status = 200 There should be one more collection stored in the database. Besides, jiaojian1996@gmail.com should receive a email with the link to conduct the questionnaire.	P
7	request('http://localhost:3001')	get('/')		res.status = 200 res.text = 'Pediatric SSQ Server'	P
8	request('/http://localhost:3001/share')	get('/:shareId')	shareId = '4f3bf7a0-a686-11ea-963d-d72d9d1c93cb'	res.body.shareId = '4f3bf7a0-a686-11ea-963d-d72d9d1c93cb' res.body.clinicianEmail = 'donuvin@gmail.com' res.body.patientEmail = 'wrehmani@student.unimelb.edu.au'	P
9			shareId = '64a9d1d0-a68a-11ea-9b09-53ae67cb454d'	res.body.shareId = '64a9d1d0-a68a-11ea-9b09-53ae67cb454d' res.body.clinicianEmail = 'wrehmani@student.unimelb.edu.au' res.body.patientEmail = 'donuvin@gmail.com'	P
10			shareId = 'testerID'	res.status /= 200	F
11		post('/submit/:shareId')	shareId = var share_id {questionnaireData:" clinicianEmail:'jiaojian1996@gmail.com', personalDetails:{name: 'Daniel', date: '2020-06-02', completedBy: 'parent', rightDeviceType: 'deviceA', leftDeviceType: 'deviceA'}	res.status = 200 res.body = true res.text = 'text'	P
12			shareId = var share_id {questionnaireData:" clinicianEmail:'jiaojian1996@gmail.com', personalDetails:{name: 'Daniel', date: '2020-06-02', completedBy: 'parent', rightDeviceType: 'deviceA', leftDeviceType: 'deviceA'}	res.status /= 200	F
13	request('http://localhost:3001/questionnaire')	get('/')		res.status = 200 Output should be the questionnaire list in the database.	P

Test ID	Router	(GET / POST)	Input	Expected Output	Test Result
14		get('/getQuestionnaire/:questionnaireId')	questionnaireId = '5c757050-a67b-11ea-a416-756fbdf3f4a8'	res.status = 200 res.body.questionnaireId = '5c757050-a67b-11ea-a416-756fbdf3f4a8' res.body.title = 'My First Questionnaire'	P
15		get('/:questionnaireId')	questionnaireId = '5c757050-a67b-11ea-a416-756fbdf3f4a8'	res.status = 200 res.body.questionnaireId = '5c757050-a67b-11ea-a416-756fbdf3f4a8' res.body.title = 'My First Questionnaire'	P
16		get('/clinician')	query({clinicianId:'unittest2@gmail.com'})	res.status = 200 res.body[0].questionnaireId = '28c6fb70-a7c0-11ea-97ef-23fd8b2a64b6'	P
17		post('/add')	isStandard : false clinicianId : unittest2@gmail.com	res.status = 200 var delete_id = res.body.uuid res.body.message = 'successfully add new questionnaire!'	P
18		post('/edit')	questionnaire: { _id: '5edb399a7f8f3d102cefb714' questionnaireId: '28c6fb70-a7c0-11ea-97ef-23fd8b2a64b6' title: "Unit Test Edit", description: "Please click edit to begin with this questionnaire." sections: [] isStandard: false __v: 0}	res.status = 200 res.text = 'successfully edit'	P
19		post('/delete')	CQid : var delete_id clinicianId : 'unittest2@gmail.com'	res.status = 200 res.text = 'successfully delete'	P

• Unit Test Report Sprint 1

Completion :

		Frontend Unit Test	Backend Unit test
Number of Test Cases Passed		78	17
Number of Test Cases Failed	Solved	0	0
	Unsolved	5	2
Number of Test Cases Executed		83	19

Defects Resolved in Current Sprint :

ID	Description	Priority	Status Updated
—	—	—	—

Defects Deferred to Next Sprint :

ID	Description	Priority	Status Updated
Frontend-12	Reminder information can help user know what happens. For now, no reminder information displayed when admin try to login to the system with the wrong login information.	Low	UNFIXED
Frontend-23	Reminder information can help user know what happens. For now, no reminder information displayed when clinician try to login to the system with empty email address and a correct format of password.	Low	UNFIXED
Frontend-25	Reminder information can help user know what happens. For now, no reminder information displayed when clinician try to login to the system with empty email address and a wrong format of password.	Low	UNFIXED
Frontend-31	Reminder information can help user know what happens. For now, no reminder information displayed when clinician try to login to the system with empty email address and password.	Low	UNFIXED
Frontend-68	Before the patients conduct the questionnaire by themselves, they need to fill in some details. When try to fill in the date of birth, the format is unlimited.	High	UNFIXED
Backend-10	When the system try to get the non-existed shareId, the server should return err rather than let res be {}.	Medium	UNFIXED
Backend-12	When the system try to submit an expired or non-existed questionnaire, the server should return err rather than let res be {}.	Medium	UNFIXED

• Unit Test Cases Sprint 2

Unit Test Suites Sprint 2 — Frontend :

Test ID	Testing File	Input	Expected Output	Test Result
1	unittest_frontend_loginPage	Click the 'clinician' button	The clinician login page is opened	P
2		Click the 'admin' button	The admin login page is opened	P
3		Click the top left navber	The web home page is loaded	P
4	unittest_frontend_clinicianLogin	Click the top left navber	The web home page is loaded	P
5		Click the 'login' tab	The clinician login page is loaded	P
6		Click the 'signup' tab	The clinician signup page is loaded	P
7		Click the 'email' text area	The 'email' text area is selected	P
8		Enter 'test_email@google.com' in 'email' text area	The 'test_email@google.com' shows in the 'email' text area	P
9		Login with a correct format email address	Shows "Please enter your password" reminder	P
10		Login with a wrong format email address	Shows "Please enter your password" reminder	P
11		Click the 'password' text area	The 'password' text area is selected	P
12		Enter 'test_password' in 'password' text area	The 'test_password' has been entered in the 'password' area	P
13		Login with a correct format password	Shows "Please enter your email address" reminder	P
14		Login with a wrong format password	Shows "Please enter your email address" reminder	P
15		Click the login button without input	Shows "Please enter your email address" reminder	P
16		Click the login button with a wrong input	Shows "Wrong email or password" reminder	P
17		Click the login button with a correct input	The clinician login successfully	P
18		Logout after the clinician login successfully	Jump back to the web home page	P
19	unittest_frontend_clinicianSignup	Enter "First" in the first name text area	The "First" displayed in the first name text area	P
20		Enter "Last" in the last name text area	The "Last" displayed in the last name text area	P
21		Enter "organisation" in the organisation text area	The "organisation" displayed in the organisation text area	P
22		Enter "samplePassword1" in the password text area	The "samplePassword1" has been entered into the password text area	P
23		Enter "samplePassword1" in the confirm_password text area	The "samplePassword1" has been entered into the confirm_password text area	P

Test ID	Testing File	Input	Expected Output	Test Result
24		Enter "email@gmail.com" into the email text area	The "email@gmail.com" displayed in the email text area	P
25		Click the signup button without the first name	Display "Please enter your First name" reminder	F
26		Click the signup button without the last name	Display "Please enter your Last name" reminder	F
27		Click the signup button without the organisation	Display "Please enter your organisation" reminder	F
28		Click the signup button without the email	Display "You must enter a valid email address" reminder	P
29		Click the signup button without the password	Display "Passwords do not match!" reminder	P
30		Click the signup button without the confirm_password	Display "Passwords do not match!" reminder	P
31		Click the signup button with the password "1"	Display "Your password must be strong with at least 8 characters containing 1 uppercase, 1 lowercase and 1 numeric character." reminder	P
32		Click the signup button with a valid input format	The user signup successfully.	P
33	unittest_frontend_clinicianHomePage	Click the top left navbar	The web home page is loaded	P
34		Click the 'Questionnaire' tab in the sidebar	The URL becomes http://localhost:3000/clinician/Questionnaires	P
35		Click the DoTheTest sidebar	The URL becomes http://localhost:3000/clinician/DoTheTest	P
36		Click the 'Share' sidebar	The URL becomes http://localhost:3000/clinician/Share	P
37		Click the 'Instructions' sidebar	The URL becomes http://localhost:3000/clinician/Instructions	P
38		Test the Add New button	There is a new questionnaire created and stored in the list	P
39		Test the Cancel button for Editing the questionnaire	The editing work will not be stored into the system	P
40		Test the Save button for Editing the questionnaire	The editing work will be stored into the system	P
41		Test edit the title	The title text area is updated	P
42		Test edit the description	The description text area is updated	P
43		Test edit the section name	The section name text area is updated	P
44		Test span the section	Displayed the section's information	P
45		Test span the scenario	Displayed the scenario's information	P
46		Test add a new question	A new questionnaire has been added into the scenario	P

Test ID	Testing File	Input	Expected Output	Test Result
47		Test remove a question	The question has been removed from the scenario	P
48		Test add a new scenario	A new scenario has been added into the section	P
49		Test remove a scenario	The scenario has been removed from the section	P
50		Test delete a questionnaire	The questionnaire has been deleted successfully	P
51		Test view the first questionnaire	Displayed the SSQ-P	P
52		Test enter the patient's information when doing a test	The patient's information has been filled in successfully	P
53		Test next button without fill in the patient's information	Asked to fill in patient's information	F
54		Test the back button on DoTheTest page1	Displayed the list of the questionnaire that can be used to do the test	P
55		Test review button on DoTheTest page 2	Displayed the review page	P
56		Test back button on DoTheTest page 2	Back to the DoTheTest page1	P
57		Test fill in the questionnaire	The questionnaire can be conducted successfully	P
58		Test back on DoTheTest page3	Back to the DoTheTest page2	P
59		Test submit button on DoTheTest page3	Shows the €response sent€œ reminder	P
60		Test the second share button in the share page	The "share-model-container" is visible	P
61		Test the email text area in the "share-model-container"	The email text area is selected and updated	P
62		Test the message text area in the "share-model-container"	The message text area is selected and updated	P
63		Test the section area in the "share-model-container"	The section area is selected and updated	P
64		Test the readOnly area in the "share-model-container"	The readOnly area is selected and updated	P
65		Share the questionnaire without the email	Remind the user to enter the email address	P
66		Share the questionnaire without the section	Remind the user to enter the sections	F
67		Share the questionnaire with one section	Send successfully	P
68		Share the questionnaire with two sections	Send successfully	P
69		Share the questionnaire with three sections	Send successfully	P

Test ID	Testing File	Input	Expected Output	Test Result
70	unittest_frontend_adminLoginPage	Click the navbar-left at the application home page.	Reload the application home page.	P
71		Click the Admin button at the application home page.	Load into the admin login page.	P
72		Select the username text-box and do nothing.	The username text-box is selected and shows "Write the admin username" reminder.	P
73		Select the username text-box and fill "test_username" in it.	The username text-box is filled in with "test_username"	P
74		Select the username text-box and fill "test_username" in it. Then click the ENTER button.	The password text-box is selected and shows "Write the admin password" reminder.	P
75		Select the password text-box and do nothing.	The password text-box is selected and shows "Write the admin password" reminder.	P
76		Select the password text-box and fill "test_password" in it.	The password text-box is filled in with "test_password"	P
77		Select the password text-box and fill "test_password" in it. Then click the ENTER button.	The password text-box is selected and shows "Write the admin username" reminder.	P
78		Click the MuiIconButton in admin login page.	The slash disappear in MuiIconButton.	P
79		Select the password text-box and fill "test_password" in it. Then click the MuiIconButton.	The slash disappear in MuiIconButton. The password text-box shows "test_password".	P
80		Click the ENTER button without any username and password.	The username text-box shows "Write the admin username" reminder. The password text-box shows "Write the admin password" reminder.	P
81		Click the ENTER button with username "test_username" and password "test_password".	Should pop up some reminder information claims that the login information is wrong.	
82		Click the navbar-left at the top left corner of the admin login page.	Back to the application home page.	P
83	unittest_frontend_adminHomePage	Click the "questionnaire" tab	The URL is http://localhost:3000/admin/Questionnaires	P
84		Click the "Instructions" tab	The URL is http://localhost:3000/admin/SSQ_Instructions	P
85		Test click the top left navbar	Back to the web home page	P
86		Test edit button for editing the questionnaire	The URL is http://localhost:3000/admin/75bea290-a6c4-11ea-90b9-4720072c0f8f/edit	P
87		Test view the questionnaire	The URL is http://localhost:3000/admin/standard/75bea290-a6c4-11ea-90b9-4720072c0f8f/view	P

Test ID	Testing File	Input	Expected Output	Test Result
88		Test edit the instructions' title	The instructions' title has been selected and updated	P
89		Test edit the instructions' content	The instructions' content has been selected and updated	P
90		Test the save button in the instruction page	The double-check box is visible	P
91		Test save the instruction page	Displayed the "Successfully edited!" reminder	P
92		Test cancel button in the instruction page	The double-check box is visible	P
93		Test no button when canceling editing the instruction	The URL is http://localhost:3000/admin/SSQ_Instructions	P
94		Test yes button when canceling editing the instruction	The URL is http://localhost:3000/admin/SSQ_Instructions , and the instruction has been updated	P
95	unittest_frontend_patientPage	Test next button on page1	Jump into the page for filling in the patient's information	P
96		Test "Instruction" button on page2	Jump back to the instruction page	P
97		Test "Back" button on page2	Jump back to the instruction page	P
98		Test fill in the name text area	The name text area is selected and updated	P
99		Test fill in the birth area	The birth area is selected and updated	P
100		Test fill in the type area	The type area is updated	P
101		Test fill in the LDevice area	The LDevice area is updated	P
102		Test fill in the RDevice area	The RDevice area is updated	P
103		Test next button without fill in the patient's information	A reminder displayed and ask the user to fill in the patient information	P
104		Test the next button with the patient's information	Jump into the page for doing the questionnaire	P
105		Test the slider	The slider is selected and updated	P
106		Test make an answer for the MCQ	One of the answer boxes is chosen	P
107		Test the "instruction" button on page3	Jump back to the instruction page	P
108		Test the "back" button on page3	Jump back to the page for fill in the patient's information	P
109		Test the "review" button on page3	Jump into the review the questionnaire page	P
110		Test the "instruction" button on page4	Jump back to the instruction page	P
111		Test the "back" button on page4	Jump back to the page for doing the questionnaire	P

Test ID	Testing File	Input	Expected Output	Test Result
112		Test the "submit" button on page4	Displayed "Response Sent" reminder	P

Unit Test Suites Sprint 2 — Backend :

Test ID	Router	(GET / POST)	Input	Expected Output	Test Result
1	request('http://localhost:3001/admin')	post('/login')	username : " password : 'testPassword'	res.status = 200 res.body.code = 1 res.body.message = 'Username can not be empty!'	P
2			username : 'tester' password : "	res.status = 200 res.body.code = 2 res.body.message = 'Password can not be empty!'	P
3			username : 'AdminUser1' password : 'pw1234'	res.status = 200 res.body.code = 3	P
4			username : 'tester' password : 'testPassword'	res.status = 200 res.body.code = 4 res.body.message = 'Incorrect details!'	P
5		post('/instruction')	title : 'Sample instruction' content : 'This is the sample instruction'	res.status = 200	P
6		get('/instruction')		res.status = 200	P
7		get('/getStandardisedQuestionnaire')		res.status = 200	P
8		get('/verifylogin/:token')		res.status = 200	P
9		get('/')		res.status = 200 Output should be the clinician list in the database.	P
10		post('/share')	clinicianEmail : ' jiaojian1996@gmail.com ' patientEmail ' jiaojian1996@gmail.com ' questionnaireId : 'c93d2b90-a682-11ea-963d-d72d9d1c93cb' readOnly : false message : 'test'	res.status = 200 There should be one more collection stored in the database. Besides, jiaojian1996@gmail.com should receive a email with the link to conduct the questionnaire.	P

Test ID	Router	(GET / POST)	Input	Expected Output	Test Result
11		post('/complete-questionnaire')	clinicianEmail : 'unittest2@gmail.com', questionnaireData : [[[{value:'1','supplimentaryValue':''}],[],[]], personalDetails : {'name':'', 'date' : '',rightDeviceType' : '', 'leftDeviceType' : '', 'completedBy' : 'clinician'}, questionnaireId: '6b2b75d0-e92a-11ea-a345-17af331cb519'	res.status = 200	P
12	request('http://localhost:3001')	get('/')		res.status = 200 res.text = 'Pediatric SSQ Server'	P
13	request('http://localhost:3001/share')	get('/:shareId')	shareId = '7c2f0710-e507-11ea-920a-af9fa6f10364'	res.status = 200	P
14			shareId = '6a45e2b0-e928-11ea-aab1-bbbcd6ea9818'	res.status = 200	P
15			shareId = 'testerID'	res.status != 200	P
16		post('/submit/:shareId')	shareId = var share_id {questionnaireData:" clinicianEmail:'jiaojian1996@gmail.com', personalDetails:{name: 'Daniel', date: '2020-06-02', completedBy: 'parent', rightDeviceType: 'deviceA', leftDeviceType: 'deviceA'}	res.status = 200	P
17			shareId = var share_id {questionnaireData:" clinicianEmail:'jiaojian1996@gmail.com', personalDetails:{name: 'Daniel', date: '2020-06-02', completedBy: 'parent', rightDeviceType: 'deviceA', leftDeviceType: 'deviceA'}	res.status != 200	P
18	request('http://localhost:3001/questionnaire')	get('/')		res.status = 200 Output should be the questionnaire list in the database.	P
19		get('getQuestionnaire/:questionnaireId')	questionnaireId = '2b79c750-e535-11ea-920a-af9fa6f10364'	res.status = 200	P
20		get('/:questionnaireId')	questionnaireId = '2b79c750-e535-11ea-920a-af9fa6f10364'	res.status = 200 res.body.message = 'Valid'	P
21			questionnaireId = "testid"	res.status = 400 res.body.message = 'Invalid'	P
22		get('/clinician')	query({clinicianId:'unittest2@gmail.com'})	res.status = 200 res.body[0].questionnaireId = '6b2b75d0-e92a-11ea-a345-17af331cb519'	P

Test ID	Router	(GET / POST)	Input	Expected Output	Test Result
23		get('/standardised')		res.status = 200 res.body.message = 'Valid'	P
24		post('/add')	isStandard : false clinicianId : unittest2@gmail.com	res.status = 200 var delete_id = res.body.uuid res.body.message = 'successfully add new questionnaire!'	P
25		post('/edit')	questionnaire: { _id: '5edb399a7f8f3d102cefb714' questionnaireId: '28c6fb70- a7c0-11ea-97ef-23fd8b2a64b6' title: "Unit Test Edit", description: "Please click edit to begin with this questionnaire." sections: [] isStandard: false __v: 0}	res.status = 200 res.text = 'successfully edit'	P
26		post('/delete')	CQid : var delete_id clinicianId : 'unittest2@ gmail.com '	res.status = 200 res.text = 'successfully delete'	P

• Unit Test Report Sprint 2

Completion :

		Frontend Unit Test	Backend Unit test
Number of Test Cases Passed		106	26
Number of Test Cases Failed	Solved	0	0
	Unsolved	6	0
Number of Test Cases Executed		122	26

Defects Resolved in Current Sprint :

ID	Description	Priority	Status Updated
Frontend-12	Reminder information can help user know what happens. For now, no reminder information displayed when admin try to login to the system with the wrong login information.	Low	FIXED
Frontend-23	Reminder information can help user know what happens. For now, no reminder information displayed when clinician try to login to the system with empty email address and a correct format of password.	Low	FIXED
Frontend-25	Reminder information can help user know what happens. For now, no reminder information displayed when clinician try to login to the system with empty email address and a wrong format of password.	Low	FIXED
Frontend-31	Reminder information can help user know what happens. For now, no reminder information displayed when clinician try to login to the system with empty email address and password.	Low	FIXED
Frontend-68	Before the patients conduct the questionnaire by themselves, they need to fill in some details. When try to fill in the date of birth, the format is unlimited.	High	FIXED
Backend-10	When the system try to get the non-existed shareId, the server should return err rather than let res be {}.	Medium	FIXED
Backend-12	When the system try to submit an expired or non-existed questionnaire, the server should return err rather than let res be {}.	Medium	FIXED

Defects Deferred to Next Sprint :

ID	Description	Priority	Status Updated
Frontend-25	Signup page the first name area has not been checked	Medium	UNFIXED
Frontend-26	Signup page the last name area has not been checked	Medium	UNFIXED
Frontend-27	Signup page the organisation name area has not been checked	Medium	UNFIXED

ID	Description	Priority	Status Updated
Frontend-53	Can start doing the questionnaire without fill in the patient's information	High	UNFIXED
Frontend-66	Can share without the sections	High	UNFIXED
Frontend-81	There should be some notify information for admin when the login information is wrong	Low	UNFIXED

• Unit Test Cases Sprint 3

Unit Test Suites Sprint 3 — Frontend :

Test ID	Testing File	Input	Expected Output	Test Result
1	unittest_frontend_loginPage	Click the 'clinician' button	The clinician login page is opened	P
2		Click the 'admin' button	The admin login page is opened	P
3		Click the top left navber	The web home page is loaded	P
4	unittest_frontend_clinicianLogin	Click the top left navber	The web home page is loaded	P
5		Click the 'login' tab	The clinician login page is loaded	P
6		Click the 'signup' tab	The clinician signup page is loaded	P
7		Click the 'email' text area	The 'email' text area is selected	P
8		Enter 'test_email@ google.com ' in 'email' text area	The 'test_email@ google.com ' shows in the 'email' text area	P
9		Login with a correct format email address	Shows "Please enter your password" reminder	P
10		Login with a wrong format email address	Shows "Please enter your password" reminder	P
11		Click the 'password' text area	The 'password' text area is selected	P
12		Enter 'test_password' in 'password' text area	The 'test_password' has been entered in the 'password' area	P
13		Login with a correct format password	Shows "Please enter your email address" reminder	P
14		Login with a wrong format password	Shows "Please enter your email address" reminder	P
15		Click the login button without input	Shows "Please enter your email address" reminder	P
16		Click the login button with a wrong input	Shows "Wrong email or password" reminder	P
17		Click the login button with a correct input	The clinician login successfully	P
18		Logout after the clinician login successfully	Jump back to the web home page	P
19		Click the forget password tab	Jump into the forgetPassword page	P
20		Test the top left logo in forgetPassword page	Jump back the app main page	P
21		Select the email text area in forgetPassword page	The text area has been selected	P
22		Enter "test_email" in the email text area in forgetPassword page	The text area has been updated	P
23		Test click "Submit" button without email	Pop up the reminder window	F

Test ID	Testing File	Input	Expected Output	Test Result
24		Test click "Submit" button with email "test_email@gmail.com"	Successfully send the request to the email	P
25		Test click the "ok" button after click the "Submit" button in the forgetPassword page	The pop up window closed	P
26	unittest_frontend_clinicianSignup	Enter "First" in the first name text area	The "First" displayed in the first name text area	P
27		Enter "Last" in the last name text area	The "Last" displayed in the last name text area	P
28		Enter "organisation" in the organisation text area	The "organisation" displayed in the organisation text area	P
29		Enter "samplePassword1" in the password text area	The "samplePassword1" has been entered into the password text area	P
30		Enter "samplePassword1" in the confirm_password text area	The "samplePassword1" has been entered into the confirm_password text area	P
31		Enter "email@gmail.com" into the email text area	The "email@gmail.com" displayed in the email text area	P
32		Click the signup button without the first name	Display "Please enter your First name" reminder	P
33		Click the signup button without the last name	Display "Please enter your Last name" reminder	P
34		Click the signup button without the organisation	Display "Please enter your organisation" reminder	P
35		Click the signup button without the email	Display "You must enter a valid email address" reminder	P
36		Click the signup button without the password	Display "Passwords do not match!" reminder	P
37		Click the signup button without the confirm_password	Display "Passwords do not match!" reminder	P
38		Click the signup button with the password "1"	Display "Your password must be strong with at least 8 characters containing 1 uppercase, 1 lowercase and 1 numeric character." reminder	P
39		Click the signup button with a valid input format	The user signup successfully.	P
40	unittest_frontend_clinicianHomePage	Click the top left navber	The web home page is loaded	P
41		Click the 'Questionnaire' tab in the sidebar	The URL becomes http://localhost:3000/clinician/Questionnaires	P
42		Click the DoTheTest sidebar	The URL becomes http://localhost:3000/clinician/DoTheTest	P
43		Click the 'Share' sidebar	The URL becomes http://localhost:3000/clinician/Share	P
44		Click the 'Instructions' sidebar	The URL becomes http://localhost:3000/clinician/Instructions	P

Test ID	Testing File	Input	Expected Output	Test Result
45		Test the Add New button	There is a new questionnaire created and stored in the list	P
46		Test the Cancel button for Editing the questionnaire	The editing work will not be stored into the system	P
47		Test the Save button for Editing the questionnaire	The editing work will be stored into the system	P
48		Test edit the title	The title text area is updated	P
49		Test edit the description	The description text area is updated	P
50		Test edit the section name	The section name text area is updated	P
51		Test span the section	Displayed the section's information	P
52		Test span the scenario	Displayed the scenario's information	P
53		Test add a new question	A new questionnaire has been added into the scenario	P
54		Test remove a question	The question has been removed from the scenario	P
55		Test add a new scenario	A new scenario has been added into the section	P
56		Test remove a scenario	The scenario has been removed from the section	P
57		Test delete a questionnaire	The questionnaire has been deleted successfully	P
58		Test view the first questionnaire	Displayed the SSQ-P	P
59		Test enter the patient's information when doing a test	The patient's information has been filled in successfully	P
60		Test next button without fill in the patient's information	Asked to fill in patient's information	P
61		Test the back button on DoTheTest page1	Displayed the list of the questionnaire that can be used to do the test	P
62		Test review button on DoTheTest page 2	Displayed the review page	P
63		Test back button on DoTheTest page 2	Back to the DoTheTest page1	P
64		Test fill in the questionnaire	The questionnaire can be conducted successfully	P
65		Test back on DoTheTest page3	Back to the DoTheTest page2	P
66		Test submit button on DoTheTest page3	Shows the "response sent" reminder	P
67		Test the second share button in the share page	The "share-model-container" is visible	P
68		Test the email text area in the "share-model-container"	The email text area is selected and updated	P

Test ID	Testing File	Input	Expected Output	Test Result
69		Test the message text area in the "share-model-container"	The message text area is selected and updated	P
70		Test the section area in the "share-model-container"	The section area is selected and updated	P
71		Test the readOnly area in the "share-model-container"	The readOnly area is selected and updated	P
72		Share the questionnaire without the email	Remind the user to enter the email address	P
73		Share the questionnaire without the section	Remind the user to enter the sections	P
74		Share the questionnaire with one section	Send successfully	P
75		Share the questionnaire with two sections	Send successfully	P
76		Share the questionnaire with three sections	Send successfully	P
77	unittest_frontend_adminLoginPage	Click the navbar-left at the application home page.	Reload the application home page.	P
78		Click the Admin button at the application home page.	Load into the admin login page.	P
79		Select the username text-box and do nothing.	The username text-box is selected and shows "Write the admin username" reminder.	P
80		Select the username text-box and fill "test_username" in it.	The username text-box is filled in with "test_username"	P
81		Select the username text-box and fill "test_username" in it. Then click the ENTER button.	The password text-box is selected and shows "Write the admin password" reminder.	P
82		Select the password text-box and do nothing.	The password text-box is selected and shows "Write the admin password" reminder.	P
83		Select the password text-box and fill "test_password" in it.	The password text-box is filled in with "test_password"	P
84		Select the password text-box and fill "test_password" in it. Then click the ENTER button.	The password text-box is selected and shows "Write the admin username" reminder.	P
85		Click the MuiIconButton in admin login page.	The slash disappear in MuiIconButton.	P
86		Select the password text-box and fill "test_password" in it. Then click the MuiIconButton.	The slash disappear in MuiIconButton. The password text-box shows "test_password".	P
87		Click the ENTER button without any username and password.	The username text-box shows "Write the admin username" reminder. The password text-box shows "Write the admin password" reminder.	P

Test ID	Testing File	Input	Expected Output	Test Result
88		Click the ENTER button with username "test_username" and password "test_password".	Should pop up some reminder information claims that the login information is wrong.	F
89		Click the navbar-left at the top left corner of the admin login page.	Back to the application home page.	P
90	unittest_frontend_adminHomePage	Click the "questionnaire" tab	The URL is http://localhost:3000/admin/Questionnaires	P
91		Click the "Instructions" tab	The URL is http://localhost:3000/admin/SSQ_Instructions	P
92		Click the "Organisation" tab	The URL is http://localhost:3000/admin/Organisation	P
93		Test click the top left navbar	Back to the web home page	P
94		Test edit button for editing the questionnaire	The URL is http://localhost:3000/admin/75bea290-a6c4-11ea-90b9-4720072c0f8f/edit	P
95		Test view the questionnaire	The URL is http://localhost:3000/admin/standard/75bea290-a6c4-11ea-90b9-4720072c0f8f/view	P
96		Test select an instruction to edit	An instruction has been chosen and jump into the edit page	P
97		Test edit an instruction's title	This instruction's title has been updated	P
98		Test edit an instruction's content	This instruction's content has been updated	P
99		Test the save button in the instruction page	The double-check box is visible	P
100		Test "ok" button when save for editing the instruction	Displayed the "Successfully edited!" reminder	P
101		Test select an item in the organisation list	Displays the clinicians belong to this organisation	P
102	unittest_frontend_patientPage	Test next button on page1	Jump into the page for filling in the patient's information	P
103		Test "Instruction" button on page2	Jump back to the instruction page	P
104		Test fill in the name text area	The name text area is selected and updated	P
105		Test fill in the birth area	The birth area is selected and updated	P
106		Test fill in the LDevice area	The LDevice area is updated	P
107		Test fill in the RDevice area	The RDevice area is updated	P
108		Test next button without fill in the patient's information	A reminder displayed and ask the user to fill in the patient information	P
109		Test the next button with the patient's information	Jump into the page for doing the questionnaire	P

Test ID	Testing File	Input	Expected Output	Test Result
110		Test the slider	The slider is selected and updated	P
111		Test make an answer for the MCQ	One of the answer boxes is chosen	P
112		Test the "instruction" button on page3	Jump back to the instruction page	P
113		Test the "back" button on page3	Jump back to the page for fill in the patient's information	P
114		Test the "review" button on page3	Jump into the review the questionnaire page	P
115		Test the "instruction" button on page4	Jump back to the instruction page	P
116		Test the "back" button on page4	Jump back to the page for doing the questionnaire	P
117		Test the "submit" button on page4	Displayed "Response Sent" reminder	P

Unit Test Suites Sprint 3 — Frontend :

Test ID	Router	(GET / POST)	Input	Expected Output	Test Result
1	request('http://localhost:3001/admin')	post('/login')	username : " password : 'testPassword'	res.status = 200 res.body.code = 1 res.body.message = 'Username can not be empty!'	P
2			username : 'tester' password : "	res.status = 200 res.body.code = 2 res.body.message = 'Password can not be empty!'	P
3			username : 'AdminUser1' password : 'pw1234'	res.status = 200 res.body.code = 3	P
4			username : 'tester' password : 'testPassword'	res.status = 200 res.body.code = 4 res.body.message = 'Incorrect details!'	P
5		post('/instruction/CC')	_id : '5f4f77c14e3b3e5934d64f0f' title : 'For clinicians administering SSQ-C' content : 'This is the sample instruction' type : 'CC'	res.status = 200	P
6		get('/instruction')		res.status = 200	P
7		get('/getStandardisedQuestionnaire')		res.status = 200	P
8		get('/verifylogin/:token')		res.status = 200	P

Test ID	Router	(GET / POST)	Input	Expected Output	Test Result
9		get('/instructionsSummary')		res.status = 200	
10		get('/organisation')		res.status = 200	
11		get('/organisation/zoo')		res.status = 200	
12	request('http://localhost:3001/clinician')	get('/')		res.status = 200 Output should be the clinician list in the database.	P
13		post('/share')	clinicianEmail : jiaojian1996@gmail.com patientEmail jiaojian1996@gmail.com questionnaireId : 'c93d2b90-a682-11ea-963d-d72d9d1c93cb' readOnly : false message : 'test'	res.status = 200 There should be one more collection stored in the database. Besides, jiaojian1996@gmail.com should receive a email with the link to conduct the questionnaire.	P
14		post('/complete-questionnaire')	clinicianEmail : 'unittest2@gmail.com', questionnaireData : [[['value':'1','supplimentaryValue':'']],[],[]], personalDetails : { 'name':'', 'date' : '', 'rightDeviceType' : '', 'leftDeviceType' : '', 'completedBy' : 'clinician'}, questionnaireId: '6b2b75d0-e92a-11ea-a345-17af331cb519'	res.status = 200	P
15	request('http://localhost:3001')	get('/')		res.status = 200 res.text = 'Pediatric SSQ Server'	P
16	request('http://localhost:3001/share')	get('/:shareId)	shareId = '4596bc90-fda1-11ea-81b5-c92b194d8d18'	res.status = 200	P
17			shareId = 'f4e5c690-fda2-11ea-ba45-c5a9dddb126'	res.status = 200	P
18			shareId = 'testerID'	res.status /= 200	P
19		post('/	shareId = var share_id {questionnaireData:"", clinicianEmail:'jiaojian1996@gmail.com', personalDetails:{name: 'Daniel', date: '2020-06-02', completedBy: 'parent', rightDeviceType: 'deviceA', leftDeviceType: 'deviceA'}	res.status = 200	P

Test ID	Router	(GET / POST)	Input	Expected Output	Test Result
20		submit/:shareId')	shareId = var share_id {questionnaireData:", clinicianEmail:'jiaojian1996@ gmail.com ', personalDetails:{name: 'Daniel', date: '2020-06-02', completedBy: 'parent', rightDeviceType: 'deviceA', leftDeviceType: 'deviceA'}	res.status /= 200	P
21	request('http://localhost:3001/questionnaire')	get('/')		res.status = 200 Output should be the questionnaire list in the database.	P
22		get('/getQuestionnaire/:questionnaireId')	questionnaireId = '2b79c750-e535-11ea-920a-af9fa6f10364'	res.status = 200	P
23		get('/questionnaireId')	questionnaireId = '2b79c750-e535-11ea-920a-af9fa6f10364'	res.status = 200 res.body.message = 'Valid'	P
24			questionnaireId = "testid"	res.status = 400 res.body.message = 'Invalid'	P
25		get('/clinician')	query({clinicianId:'unittest2@ gmail.com '})	res.status = 200 res.body[0].questionnaireId = '6b2b75d0-e92a-11ea-a345-17af331cb519'	P
26		get('/standardised')		res.status = 200 res.body.message = 'Valid'	P
27		post('add')	isStandard : false clinicianId : unittest2@gmail.com	res.status = 200 var delete_id = res.body.uuid res.body.message = 'successfully add new questionnaire!'	P
28		post('/edit')	questionnaire: { _id: '5edb399a7f8f3d102cefb714' questionnaireId: '28c6fb70-a7c0-11ea-97ef-23fd8b2a64b6' title: "Unit Test Edit", description: "Please click edit to begin with this questionnaire." sections: [] isStandard: false __v: 0}	res.status = 200 res.text = 'successfully edit'	P
29		post('/delete')	CQid : var delete_id clinicianId : 'unittest2@ gmail.com '	res.status = 200 res.text = 'successfully delete'	P

• Unit Test Report Sprint 3

Completion :

		Frontend Unit Test	Backend Unit test
Number of Test Cases Passed		116	29
Number of Test Cases Failed	Solved	0	0
	Unsolved	1	0
Number of Test Cases Executed		117	29

Defects Resolved in Current Sprint :

ID	Description	Priority	Status Updated
Frontend-12	Reminder information can help user know what happens. For now, no reminder information displayed when admin try to login to the system with the wrong login information.	Low	FIXED
Frontend-23	Reminder information can help user know what happens. For now, no reminder information displayed when clinician try to login to the system with empty email address and a correct format of password.	Low	FIXED
Frontend-25	Reminder information can help user know what happens. For now, no reminder information displayed when clinician try to login to the system with empty email address and a wrong format of password.	Low	FIXED
Frontend-31	Reminder information can help user know what happens. For now, no reminder information displayed when clinician try to login to the system with empty email address and password.	Low	FIXED
Frontend-68	Before the patients conduct the questionnaire by themselves, they need to fill in some details. When try to fill in the date of birth, the format is unlimited.	High	FIXED
Backend-10	When the system try to get the non-existed shareId, the server should return err rather than let res be {}.	Medium	FIXED
Backend-12	When the system try to submit an expired or non-existed questionnaire, the server should return err rather than let res be {}.	Medium	FIXED
Frontend-25	Signup page the first name area has not been checked	Medium	FIXED
Frontend-26	Signup page the last name area has not been checked	Medium	FIXED
Frontend-27	Signup page the organisation name area has not been checked	Medium	FIXED
Frontend-53	Can start doing the questionnaire without fill in the patient's information	High	FIXED
Frontend-66	Can share without the sections	High	FIXED
Frontend-81	There should be some notify information for admin when the login information is wrong	Low	FIXED

Defects Deferred to Next Sprint :

ID	Description	Priority	Status Updated
Frontend-23	Test click "Submit" button without email	Medium	UNFIXED

• Unit Test Cases Sprint 4

Unit Test Suites Sprint 4 — Frontend :

Test ID	Testing File	Input	Expected Output	Test Result
1	unittest_frontend_loginPage	Click the 'clinician' button	The clinician login page is opened	P
2		Click the 'admin' button	The admin login page is opened	P
3	unittest_frontend_clinicianLogin	Click the middle landing logo	The web home page is loaded	P
4		Click the 'login' tab	The clinician login page is loaded	P
5		Click the 'signup' tab	The clinician signup page is loaded	P
6		Click the 'email' text area	The 'email' text area is selected	P
7		Enter 'test_email@ google.com ' in 'email' text area	The 'test_email@ google.com ' shows in the 'email' text area	P
8		Login with a correct format email address	Shows reminder	P
9		Login with a wrong format email address	Shows reminder	P
10		Click the 'password' text area	The 'password' text area is selected	P
11		Enter 'test_password' in 'password' text area	The 'test_password' has been entered in the 'password' area	P
12		Login with a correct format password	Shows reminder	P
13		Login with a wrong format password	Shows reminder	P
14		Click the login button without input	Shows reminder	P
15		Click the login button with a wrong input	Shows reminder	P
16		Click the login button with a correct input	The clinician login successfully	P
17		Logout after the clinician login successfully	Jump back to the web home page	P
18		Click the forget password tab	Jump into the forgetPassword page	P
19		Test the top left logo in forgetPassword page	Jump back the app main page	P
20		Select the email text area in forgetPassword page	The text area has been selected	P
21		Enter "test_email" in the email text area in forgetPassword page	The text area has been updated	P
22		Test click "Submit" button without email	Shows reminder	P
23		Test click "Submit" button with email "test_email"	Shows reminder to asks user enter correct email format	P
24		Test click "Submit" button with email "test_email@ gmail.com "	Successfully send the request to the email	P

Test ID	Testing File	Input	Expected Output	Test Result
25	unittest_frontend_clinicianSignup	Test click the "ok" button after click the "Submit" button in the forgetPassword page	The pop up window closed	P
26		Enter "First" in the first name text area	The "First" displayed in the first name text area	P
27		Enter "Last" in the last name text area	The "Last" displayed in the last name text area	P
28		Enter "country" in the country text area	The "country" displayed in the country text area	P
29		Enter "organisation" in the organisation text area	The "organisation" displayed in the organisation text area	P
30		Enter "samplePassword1" in the password text area	The "samplePassword1" has been entered into the password text area	P
31		Enter "samplePassword1" in the confirm_password text area	The "samplePassword1" has been entered into the confirm_password text area	P
32		Enter "email@gmail.com" into the email text area	The "email@gmail.com" displayed in the email text area	P
33		Click the signup button without the first name	Shows reminder	P
34		Click the signup button without the last name	Shows reminder	P
35		Click the signup button without the country	Shows reminder	P
36		Click the signup button without the organisation	Shows reminder	P
37		Click the signup button without the email	Shows reminder	P
38		Click the signup button without the password	Shows reminder	P
39		Click the signup button without the confirm_password	Shows reminder	P
40		Click the signup button with the password "1"	Shows reminder	P
41		Click the signup button with a valid input format	The user signup successfully.	P
42	unittest_frontend_clinicianHomePage	Click the 'Questionnaire' tab in the sidebar	The URL becomes http://localhost:3000/clinician/Questionnaires	P
43		Click the DoTheTest sidebar	The URL becomes http://localhost:3000/clinician/DoTheTest	P
44		Click the 'Share' sidebar	The URL becomes http://localhost:3000/clinician/Share	P
45		Click the 'Instructions' sidebar	The URL becomes http://localhost:3000/clinician/Instructions	P
46		Test the Add New button	There is a new questionnaire created and stored in the list	P

Test ID	Testing File	Input	Expected Output	Test Result
47		Test the Cancel button for Editing the questionnaire	The editing work will not be stored into the system	P
48		Test the Save button for Editing the questionnaire	The editing work will be stored into the system	P
49		Test edit the title	The title text area is updated	P
50		Test edit the description	The description text area is updated	P
51		Test edit the section name	The section name text area is updated	P
52		Test span the section	Displayed the section's information	P
53		Test span the scenario	Displayed the scenario's information	P
54		Test add a new question	A new questionnaire has been added into the scenario	P
55		Test remove a question	The question has been removed from the scenario	P
56		Test add a new scenario	A new scenario has been added into the section	P
57		Test remove a scenario	The scenario has been removed from the section	P
58		Test delete a questionnaire	The questionnaire has been deleted successfully	P
59		Test view the first questionnaire	Displayed the SSQ-P	P
60		Test enter the patient's information when doing a test	The patient's information has been filled in successfully	P
61		Test enter the patient's information with birth "aabbccdd" when doing a test	Show reminder	P
62		Test next button without fill in the patient's information	Asked to fill in patient's information	P
63		Test the back button on DoTheTest page1	Displayed the list of the questionnaire that can be used to do the test	P
64		Test review button on DoTheTest page 2	Displayed the review page	P
65		Test back button on DoTheTest page 2	Back to the DoTheTest page1	P
66		Test fill in the questionnaire	The questionnaire can be conducted successfully	P
67		Test back on DoTheTest page3	Back to the DoTheTest page2	P
68		Test submit button on DoTheTest page3	Shows the €response sent€œ reminder	P
69		Test the second share button in the share page	The "share-model-container" is visible	P

Test ID	Testing File	Input	Expected Output	Test Result
70		Test the email text area in the "share-model-container"	The email text area is selected and updated	P
71		Test the message text area in the "share-model-container"	The message text area is selected and updated	P
72		Test the section area in the "share-model-container"	The section area is selected and updated	P
73		Test the readOnly area in the "share-model-container"	The readOnly area is selected and updated	P
74		Share the questionnaire without the email	Remind the user to enter the email address	P
75		Share the questionnaire without the section	Remind the user to enter the sections	P
76		Share the questionnaire with one section	Send successfully	P
77		Share the questionnaire with two sections	Send successfully	P
78		Share the questionnaire with three sections	Send successfully	P
79	unittest_frontend_adminLoginPage	Select the username text-box and do nothing.	The username text-box is selected and shows "Write the admin username" reminder.	P
80		Select the username text-box and fill "test_username" in it.	The username text-box is filled in with "test_username"	P
81		Select the username text-box and fill "test_username" in it. Then click the ENTER button.	The password text-box is selected and shows "Write the admin password" reminder.	P
82		Select the password text-box and do nothing.	The password text-box is selected and shows "Write the admin password" reminder.	P
83		Select the password text-box and fill "test_password" in it.	The password text-box is filled in with "test_password"	P
84		Select the password text-box and fill "test_password" in it. Then click the ENTER button.	The password text-box is selected and shows "Write the admin username" reminder.	P
85		Click the MuiIconButton in admin login page.	The slash disappear in MuiIconButton.	P
86		Select the password text-box and fill "test_password" in it. Then click the MuiIconButton.	The slash disappear in MuiIconButton. The password text-box shows "test_password".	P
87		Click the ENTER button without any username and password.	The username text-box shows "Write the admin username" reminder. The password text-box shows "Write the admin password" reminder.	P
88		Click the ENTER button with username "test_username" and password "test_password".	Should pop up some reminder information claims that the login information is wrong.	P

Test ID	Testing File	Input	Expected Output	Test Result
89	unittest_frontend_adminHomePage	Click the ENTER button with correct username and password.	The user login successfully	P
90		Click the ENTER button with correct username and password. And then logout.	The user logout successfully	P
91		Click the navbar-left at the top left corner of the admin login page.	Back to the application home page.	P
92		Click the "questionnaire" tab	The URL is http://localhost:3000/admin/Questionnaires	P
93		Click the "Instructions" tab	The URL is http://localhost:3000/admin/SSQ_Instructions	P
94		Click the "Organisation" tab	The URL is http://localhost:3000/admin/Organisation	P
95		Test view the questionnaire	The URL is http://localhost:3000/admin/standard/75bea290-a6c4-11ea-90b9-4720072c0f8f/view	P
96		Test edit the questionnaire	The URL is http://localhost:3000/admin/Questionnaire/standard/1d2a95a0-082e-11eb-a69a-2d6c84ab30fa/edit	P
97		Test copy a questionnaire and then delete the one just created	A new questionnaire has been created and then removed successfully.	P
98		Test click the ADD NEW button to add a new questionnaire	A new questionnaire will be created	P
99		Test delete a questionnaire and then click the CANCEL button in the pop up window	Nothing changed	P
100		Test select an instruction to edit	An instruction has been chosen and jump into the edit page	P
101		Test edit an instruction's title	This instruction's title has been updated	P
102		Test edit an instruction's content	This instruction's content has been updated	P
103		Test the save button in the instruction page	The double-check box is visible	P
104		Test "ok" button when save for editing the instruction	Displayed the "Successfully edited!" reminder	P
105		Test choose a country in the organisation list	The web will display all the organisation in this country	P
106		Test choose an organisation in a country	The web will display all the clinician in this organisation	P
107	unittest_frontend_patientPage	Test next button on page1	Jump into the page for filling in the patient's information	P
108		Test "Instruction" button on page2	Jump back to the instruction page	P

Test ID	Testing File	Input	Expected Output	Test Result
109		Test fill in the name text area	The name text area is selected and updated	P
110		Test fill in the birth area	The birth area is selected and updated	P
111		Test fill in the LDevice area	The LDevice area is updated	P
112		Test fill in the RDevice area	The RDevice area is updated	P
113		Test fill in the completeBy area	The completeBy area is updated	P
114		Test fill in the relation area	The relation area is updated	P
115		Test next button without fill in the patient's information	A reminder displayed and ask the user to fill in the patient information	P
116		Test next button with wrong format patient's information	A reminder displayed and asks the user to re-fill in the patient information	P
117		Test the next button with the correct format patient's information	Jump into the page for doing the questionnaire	P
118		Test the slider	The slider is selected and updated	P
119		Test make an answer for the MCQ	One of the answer boxes is chosen	P
120		Test the "instruction" button on page3	Jump back to the instruction page	P
121		Test the "back" button on page3	Jump back to the page for fill in the patient's information	P
122		Test the "review" button on page3 without filling in the questionnaire	A reminder message displays and ask the user to fill in the questionnaire first	P
123		Test the "review" button on page3, after finish the questionnaire	Jump into the review the questionnaire page	P
124		Test the "instruction" button on page4	Jump back to the instruction page	P
125		Test the "back" button on page4	Jump back to the page for doing the questionnaire	P
126		Test the "submit" button on page4	Displayed "Response Sent" reminder	P

Unit Test Suites Sprint 4 — Backend :

Test ID	Router	(GET / POST)	Input	Expected Output	Test Result
2	admin')	post('/login')	username : 'tester' password : "	res.status = 200	P
3			username : 'AdminUser1' password : 'pw1234'	res.status = 200	P
4			username : 'tester' password : 'testPassword'	res.status = 200	P
5		post('/instruction/ T')	_id : '5f96c75ae88a5b1088a5b10885202c1' title : 'For clinicians administering SSQ-C' content : 'This is the sample instruction' type : 'T'	res.status = 200	P
6		get('/ specificInstruction/ CC')		res.status = 200	P
7		get('/ verifylogin/:token')		res.status = 401	P
8		get('/vefidylogin/\$ {hasked_userInfo})		res.status = 200	P
9		get('/ instructionsSumma ry')		res.status = 200	P
10		get('/country')		res.status = 200	P
11		get('/country/ organisation/ australia')		res.status = 200	P
12		get('/organisation/ clinician/aus')		res.status = 200	P
13	request('http:// localhost:3001/ clinician')	post('/share')	clinicianEmail : 'unittest2@gmail.com' patientEmail 'jiaojian1996@gmail.com' questionnaireId : 'f604ab10-1830-11eb-8455-31 1c8c9ab5e1' readOnly : false message : 'test' sectionNames : ['Section A - Speech', 'Section B - Spatial', 'Section C - Other Qualities'] shareSection : {'Section A - Speech' : true, 'Section B - Spatial' : true, 'Section C - Other Qualities' : true} sortBy : 'PERFORMANCE'	res.status = 200 There should be one more collection stored in the database. Besides, jiaojian1996@gmail.com should receive a email with the link to conduct the questionnaire.	P

Test ID	Router	(GET / POST)	Input	Expected Output	Test Result
14		post('/complete-questionnaire')	clinicianEmail : 'unittest2@gmail.com', questionnaireData : [[[{'value':'','supplumentaryValue':'Would not hear it'}, {'supplementaryValue': ''}]],[], []], personalDetails : {'name':'daniel', 'date' : '19960829',rightDeviceType' : 'None', 'leftDeviceType' : 'None', 'completedBy' : 'clinician'}, questionnaireId: '7c342880-178e-11eb-9a18-39 f607a871cf'	res.status = 200	P
15	request('http://localhost:3001')	get('/')		res.status = 200 res.text = 'Pediatric SSQ Server '	P
16	request('http://localhost:3001/share')	get('/:shareId')	shareId = '4596bc90-fda1-11ea-81b5-c92b194d8d18'	res.status = 200	P
17			shareId = 'f4e5c690-fda2-11ea-ba45-c5a9dddb126'	res.status = 200	P
18			shareId = 'testerID'	res.status = 404	P
19		post('/submit/:shareId')	shareId = var share_id {questionnaireData:", clinicianEmail:'unittest2@gmail.com', personalDetails:{name: 'Daniel', date: '2020-06-02', completedBy: 'parent', rightDeviceType: 'deviceA', leftDeviceType: 'deviceA'} questionnaireId : '7c342880-178e-11eb-9a18-39 f607a871cf', sortBy : 'PERFORMANCE', comments : [""],[],[]}}	res.status = 200	P
20	request('http://localhost:3001/questionnaire')	get('/:questionnaireId')	questionnaireId = '2b79c750-e535-11ea-920a-af9fa6f10364'	res.status = 200	P
21			questionnaireId = "testid"	res.status = 404	
22		get('/clinician')		res.status = 200	P
23		get('/standardised')		res.status = 200	P
24		post('/add')	isStandard : false clinicianId : unittest2@gmail.com	res.status = 200	P
25		post('/addStandard')		res.status = 200	P

Test ID	Router	(GET / POST)	Input	Expected Output	Test Result
26		post('/edit')	questionnaire: { _id: '5f97c32474452d3e79f37677' questionnaireId: 'a95e4600-1820-11eb- bc18-878edcae65c9' title: "test for edit", description: "Please click edit to begin with this questionnaire." sections: [] isStandard: false __v: 0}	res.status = 200	P
27		post('/ editStandard')	questionnaire: { _id: '5f97cab874452d3e79f37694' questionnaireId: '2df3efb0-1825-11eb- bc18-878edcae65c9' title: "test for edit standard", description: "Please click edit to begin with this questionnaire." sections: [] isStandard: true __v: 0}	res.status = 200	P
28		post('/delete')	cQid : 'd97ff080-1821-11eb- bc18-878edcae65c9' clinicianId : 'unittest2@gmail.com'	res.status = 200 res.text = "Successfully deleted questionnaire"	P
29		post('/ deleteStandard')	questionnaireId : 'b2a1aee0-1821-11eb- bc18-878edcae65c9'	res.status = 200	P
30		post('/copy')	questionnaireId : 'fd4a39b0-082e-11eb-b88c- dd849a33659e' inCopyingToCustomisedQuest ionnaire : true clinicianId : 'unittest2@gmail.com'	res.status = 200	P
31		post('/ copyStandard')	questionnaireId : 'fd4a39b0-082e-11eb-b88c- dd849a33659e' inCopyingToCustomisedQuest ionnaire : false clinicianId : undefined	res.status = 200	P

• Unit Test Report Sprint 4

Completion :

		Frontend Unit Test	Backend Unit test
Number of Test Cases Passed		126	31
Number of Test Cases Failed	Solved	0	0
	Unsolved	0	0
Number of Test Cases Executed		126	31

Defects Resolved in Current Sprint :

ID	Description	Priority	Status Updated
Frontend-23	Test click "Submit" button without email	Medium	FIXED

Defects Deferred to Next Sprint :

ID	Description	Priority	Status Updated
—	—	—	—

3. INTEGRATION TEST

Integration test is to test how parts of the system work together - the integration of the parts. Integration tests are similar to unit tests, but there's one big difference: while unit tests are isolated from other components, integration tests are not. For example, the aims for the project is to build a web application, a unit test for database access code would not talk to a real database, but an integration test would.

• Integration Test Cases Sprint 1

Test ID	Page	Integration Test Case	Test Result
1	Web home page	Test the 'SSQ' button in the top left corner.	P
2		Test the Clinician button.	P
3		Test the 'Admin' button.	P
4	Clinician login page	Test 'email' context area.	P
5		Test 'password' context area.	P
6		Test login with the empty email and/or password.	
7		Test login with the wrong email and/or password.	P
8		Test login with the correct email and password.	P
9		Test signup with the empty email and/or password.	P
10		Test signup with the wrong email and/or password.	P
11		Test signup with the correct email and password.	P
12	Admin login page	Test login with the empty email and/or password.	P
13		Test login with the wrong email and/or password.	P
14		Test login with the correct email and password.	P
15		Test the 'hide' button.	P
16	Web home page after clinician login	Test the 'SSQ' button in the top left corner.	P
17		Test the Clinician button.	P
18		Test the 'Admin' button.	P
19		Test the logout button.	P
20	Clinician Questionnaires page	Test the 'SSQ' button on the top left corner.	P
21		Test the 'Questionnaires' button.	P
22		Test the 'Do The Test' button.	P
23		Test the 'Instructions' button.	P
24		Test the logout button.	P
25		Test the 'ADD NEW' button.	P
26		Test the 'SHARE' button for any questionnaire.	P
27		Test the 'EDIT' button for any questionnaire.	P
28		Test the 'DELETE' button for any questionnaire.	
29	Clinician share the	Test the 'Patient's Email' context area.	P

Test ID	Page	Integration Test Case	Test Result
30	questionnaire page	Test the 'Personalised Message' context area.	P
31		Test the tick box.	P
32		Test the 'SHARE' button.	P
33		Test click somewhere outside the popup window.	P
34	Clinician edits the questionnaire page.	Test the 'SSQ' button on the top left corner.	P
35		Test the 'Questionnaires' button.	P
36		Test the 'Do The Test' button.	P
37		Test the 'Instructions' button.	P
38		Test the logout button.	P
39		Test change the title.	P
40		Test change the description.	P
41		Test 'ADD NEW SCENARIO' button.	P
42		Test remove a SCENARIO.	P
43		Test add a Range Question.	P
44		Test add a Multiple Choice Question.	P
45		Test remove a question.	P
46		Test edit a Range Question.	P
47		Test edit a Multiple Choice question.	
48		Test the 'Save' button.	P
49		Test the 'Cancel' button.	P
50	Clinician DoTheTest page	Test the 'SSQ' button on the top left corner.	P
51		Test the 'Questionnaires' button.	P
52		Test the 'Do The Test' button.	P
53		Test the 'Instructions' button.	P
54		Test the logout button.	P
55		Test click buttons for conducting the questionnaire	P
56	Clinician conduct the questionnaire page	Test the 'SSQ' button on the top left corner.	P
57		Test the 'Questionnaires' button.	P
58		Test the 'Do The Test' button.	P
59		Test the 'Instructions' button.	P

Test ID	Page	Integration Test Case	Test Result
60		Test the logout button.	P
61		Test for conducting the questionnaire.	
62	Clinician Instructions page	Test the 'SSQ' button on the top left corner.	P
63		Test the 'Questionnaires' button.	P
64		Test the 'Do The Test' button.	P
65		Test the 'Instructions' button.	P
66		Test the logout button.	P
67	Admin home page	Test the 'SSQ' button on the top left corner.	P
68		Test the logout button.	P
69	Web home page after admin login	Test the 'SSQ' button in the top left corner.	P
70		Test the Clinician button.	
71		Test the 'Admin' button.	P
72		Test the logout button.	P

• Integration Test Report Sprint 1

Completion :

		Frontend Unit Test
Number of Test Cases Passed		67
Number of Test Cases Failed	Solved	0
	Unsolved	5
Number of Test Cases Executed		72

Defects Resolved in Current Sprint :

ID	Description	Priority	Status Updated
—	—	—	—

Defects Deferred to Next Sprint :

ID	Description	Priority	Status Updated
6	When clinician login with the empty email, there is no error message displayed to remind the user.	High	UNFIXED
28	Should be a pop window to remind the user, and ask the user for double-checking they want to remove the select questionnaire.	High	UNFIXED
47	TypeError: Cannot read property 'push' of undefined	High	UNFIXED
61	The 'NEXT' button in the top right corner is not working.	High	UNFIXED
70	There is no button to back to the admin home page.	Low	UNFIXED

• Integration Test Cases Sprint 2

Test ID	Description	Steps	Steps Description	Test Result
1	Test clinician login with empty input	1	Click the clinician button in web home page	P
		2	Click the login button	
		3	The web displayed reminder information	
2	Test clinician login with the wrong email	1	Click the clinician button in web home page	P
		2	Enter "Unittest123" in the password text area	
		3	Click the login button	
		4	The web displayed reminder information	
3	Test clinician login with the wrong password	1	Click the clinician button in web home page	P
		2	Enter "unittest2@gmail.com" in the email text area. And enter "sample" in the password text area	
		3	Click the login button	
		4	The web displayed reminder information	
4	Test clinician login with the correct username and password	1	Click the clinician button in web home page	P
		2	Enter "unittest2@gmail.com" in the email text area. And enter "Unittest123" in the password text area	
		3	Click the login button	
		4	The clinician login successfully	
5	Test clinician view the questionnaire	1	The clinician login into the system	P
		2	Click the SSQ-CH to view this questionnaire	
		3	The web displayed the SSQ-CH questionnaire, and the URL is http://localhost:3000/standard/0d59c9d0-e6c7-11ea-a7af-355badb8db84/view	
6	Test the clinician add and delete the questionnaire	1	The clinician login into the system	P
		2	Click the Add New button to add a new questionnaire	
		3	The new questionnaire has been created and displayed in the questionnaire list	
		4	Click the Delete button within this questionnaire	
		5	The system deletes this newly added questionnaire and this questionnaire has been removed from the list	
7	Test the clinician edit the questionnaire	1	The clinician login into the system	P
		2	Click the edit button for SSQ-CH	
		3	Span the first section	

Test ID	Description	Steps	Steps Description	Test Result
		4	Span the first scenario	
		5	Choose the child type	
		6	Choose the parent type	
		7	Edit the title	
		8	Edit the description	
		9	Edit the section description	
		10	Edit the scenario description	
		11	Edit the range question	
		12	Edit the question and answers of an MCQ	
		13	Add a new question in the scenario	
		14	Remove this newly added question	
		15	Add a new scenario	
		16	Delete this newly added scenario	
8	Test the clinician edit and cancel the changes	1	The clinician login into the system	P
		2	Click the edit button for SSQ-CH	
		3	Click the Cancel button	
		4	Click the No button in the double-check box	
		5	Click the Cancel button again	
		6	Click the Yes button in the double-check box	
9	Test the clinician edit and save the changes	1	The clinician login into the system	P
		2	Click the edit button for SSQ-CH	
		3	Click the Save button	
		4	Click the No button in the double-check box	
		5	Click the Save button again	
		6	Click the Yes button in the double-check box	
10	Test clinician view the instruction	1	The clinician login into the system	P
		2	Click the Instruction tab in the sidebar	
		3	The web displays the instruction page, and the URL is the http://localhost:3000/clinician/Instructions	
11	Test the clinician share the questionnaire with	1	The clinician login into the system	P
		2	Click the Share tab in the sidebar	

Test ID	Description	Steps	Steps Description	Test Result
	empty email and sections	3	Click the Share button within the SSQ-CH	
		4	Share this questionnaire	
		5	The web displays some reminder information	
12	Test the clinician share the questionnaire with empty email	1	The clinician login into the system	P
		2	Click the Share tab in the sidebar	
		3	Click the Share button within the SSQ-CH	
		4	Choose all the sections	
		5	Share this questionnaire	
		6	The web displays some reminder information	
13	Test the clinician share the questionnaire without any section	1	The clinician login into the system	F
		2	Click the Share tab in the sidebar	
		3	Click the Share button within the SSQ-CH	
		4	Type in the email gonna send to	
		5	Share this questionnaire	
		6	The web displays some reminder information	
14	Test the clinician share the questionnaire with one section	1	The clinician login into the system	P
		2	Click the Share tab in the sidebar	
		3	Click the Share button within the SSQ-CH	
		4	Type in the email gonna send to	
		5	Select one section	
		6	Share this questionnaire	
		7	Share successfully	
15	Test the clinician share the questionnaire with two sections	1	The clinician login into the system	P
		2	Click the Share tab in the sidebar	
		3	Click the Share button within the SSQ-CH	
		4	Type in the email gonna send to	
		5	Select two sections	
		6	Share this questionnaire	
		7	Share successfully	
16	Test the clinician	1	The clinician login into the system	P

Test ID	Description	Steps	Steps Description	Test Result
	share the questionnaire with all sections	2	Click the Share tab in the sidebar	
		3	Click the Share button within the SSQ-CH	
		4	Type in the email gonna send to	
		5	Select all sections	
		6	Share this questionnaire	
		7	Share successfully	
17	Test clinician complete the questionnaire and enter the patient's information	1	Clinician login into the system successfully	P
		2	Click the DoTheTest tab in the sidebar	
		3	Click the SSQ-CH to do the test	
		4	Fill in the patient's information	
		5	Click the next button	
		6	Displayed the page for doing the test	
18	Test clinician complete the questionnaire without the patient's information	1	Clinician login into the system successfully	F
		2	Click the DoTheTest tab in the sidebar	
		3	Click the SSQ-CH to do the test	
		4	Click the next button	
		5	Displayed some reminder information to ask fill in the patient's information	
19	Test clinician back button on page1 of completing a questionnaire	1	Clinician login into the system successfully	P
		2	Click the DoTheTest tab in the sidebar	
		3	Click the SSQ-CH to do the test	
		4	Click the back button	
		5	Displayed the list of the questionnaire that can be used to do the test	
20	Test clinician click the review button on page2 of completing a questionnaire	1	Clinician login into the system successfully	P
		2	Click the DoTheTest tab in the sidebar	
		3	Click the SSQ-CH to do the test	
		4	Fill in the patient's information	
		5	Click the next button	
		6	Click the review button	
		7	Displayed review page of completing the questionnaire	

Test ID	Description	Steps	Steps Description	Test Result
21	Test clinician clicks the back button on page2 of completing a questionnaire	1	Clinician login into the system successfully	P
		2	Click the DoTheTest tab in the sidebar	
		3	Click the SSQ-CH to do the test	
		4	Fill in the patient's information	
		5	Click the next button	
		6	Click the back button	
		7	Displayed the page for patient's information	
22	Test clinician fill in the questionnaire when doing a test	1	Clinician login into the system successfully	P
		2	Click the DoTheTest tab in the sidebar	
		3	Click the SSQ-CH to do the test	
		4	Fill in the patient's information	
		5	Click the next button	
		6	Choose the slider and also answer the MCQs	
23	Test clinician click the back button on page3 of doing a test	1	Clinician login into the system successfully	P
		2	Click the DoTheTest tab in the sidebar	
		3	Click the SSQ-CH to do the test	
		4	Fill in the patient's information	
		5	Click the next button	
		6	Click the review button	
		7	Click the back button	
		8	Back to the page for filling in the questionnaire	
24	Test clinician submits the questionnaire	1	Clinician login into the system successfully	P
		2	Click the DoTheTest tab in the sidebar	
		3	Click the SSQ-CH to do the test	
		4	Fill in the patient's information	
		5	Click the next button	
		6	Click the review button	
		7	Click the submit button	
		8	Successfully submit	
25	Test admin login	1	The admin click the Admin button to go to the admin login page	P

Test ID	Description	Steps	Steps Description	Test Result
	without username and password	2	Click the login button	
		3	Displayed the reminder message	
26	Test admin login with the wrong username and password	1	The admin click the Admin button to go to the admin login page	P
		2	Enter "test_username" as the username, and "test_password" as the password	
		3	Click the login button	
		4	Displayed the reminder message	
27	Test admin login with the correct username and password	1	The admin click the Admin button to go to the admin login page	P
		2	Enter correct username and password	
		3	Click the login button	
		4	Admin login into the system successfully	
28	Test admin logout after login into the systemTest view the questionnaire as an admin	1	The admin click the Admin button to go to the admin login page	P
		2	Enter correct username and password	
		3	Click the login button	
		4	Admin login into the system successfully	
		5	Click the logout button	
		6	Admin logout successfully	
29	Test view the questionnaire as an admin	1	Admin login into the system successfully	P
		2	Click the SSQ-P to view this questionnaire	
		3	The SSQ-P displayed successfully, and the URL is http://localhost:3000/admin/standard/75bea290-a6c4-11ea-90b9-4720072c0f8f/view	
30	Test edit the questionnaire as an admin	1	Admin login into the system successfully	P
		2	Click the edit button within the SSQ-CH questionnaire	
		3	The URL is http://localhost:3000/admin/75bea290-a6c4-11ea-90b9-4720072c0f8f/edit, and the admin can edit the questionnaire in this page	
31	Test save the instruction as an admin	1	Admin login into the system successfully	P
		2	Click the Instruction tab in the sidebar	
		3	Click the save button	
		4	Click the ok button to save the changes	
32	Test cancel-yes for editing instruction as an admin	1	Admin login into the system successfully	P
		2	Click the Instruction tab in the sidebar	

Test ID	Description	Steps	Steps Description	Test Result
33	Test cancel-yes for editing instruction as an admin	3	Click the Cancel button	P
		4	Click the yes button to cancel the changes	
		1	Admin login into the system successfully	
		2	Click the Instruction tab in the sidebar	
		3	Click the Cancel button	
		4	Click the no button to cancel the Cancel progress	

• Integration Test Report Sprint 2

Completion :

		Frontend Unit Test
Number of Test Cases Passed		31
Number of Test Cases Failed	Solved	0
	Unsolved	2
Number of Test Cases Executed		33

Defects Resolved in Current Sprint :

ID	Description	Priority	Status Updated
6	When clinician login with the empty email, there is no error message displayed to remind the user.	High	FIXED
28	Should be a pop window to remind the user, and ask the user for double-checking they want to remove the select questionnaire.	High	FIXED
47	TypeError: Cannot read property 'push' of undefined	High	FIXED
61	The 'NEXT' button in the top right corner is not working.	High	FIXED
70	There is no button to back to the admin home page.	Low	FIXED

Defects Deferred to Next Sprint :

ID	Description	Priority	Status Updated
13	The clinician can share the questionnaire without any sections successfully	High	UNFIXED
18	The clinician can click the Next button even if they do not fill in the patient's information	High	UNFIXED

• Integration Test Cases Sprint 3

Test ID	Page	Steps	Steps Description	Test Result
1	Test clinician login with empty input	1	Click the clinician button in web home page	P
		2	Click the login button	
		3	The web displayed reminder information	
2	Test clinician login with the wrong email	1	Click the clinician button in web home page	P
		2	Enter "Unittest123" in the password text area	
		3	Click the login button	
		4	The web displayed reminder information	
3	Test clinician login with the wrong password	1	Click the clinician button in web home page	P
		2	Enter " unittest2@gmail.com " in the email text area. And enter "sample" in the password text area	
		3	Click the login button	
		4	The web displayed reminder information	
4	Test clinician login with the correct username and password	1	Click the clinician button in web home page	P
		2	Enter " unittest2@gmail.com " in the email text area. And enter "Unittest123" in the password text area	
		3	Click the login button	
		4	The clinician login successfully	
5	Test clinician view the questionnaire	1	The clinician login into the system	P
		2	Click the SSQ-CH to view this questionnaire	
		3	The web displayed the SSQ-CH questionnaire, and the URL is http://localhost:3000/standard/0d59c9d0-e6c7-11ea-a7af-355badb8db84/view	
6	Test the clinician add and delete the questionnaire	1	The clinician login into the system	P
		2	Click the Add New button to add a new questionnaire	
		3	The new questionnaire has been created and displayed in the questionnaire list	
		4	Click the Delete button within this questionnaire	
		5	The system deletes this newly added questionnaire and this questionnaire has been removed from the list	
7	Test the clinician edit the questionnaire	1	The clinician login into the system	P
		2	Click the edit button for SSQ-CH	
		3	Span the first section	

Test ID	Page	Steps	Steps Description	Test Result
		4	Span the first scenario	
		5	Choose the child type	
		6	Choose the parent type	
		7	Edit the title	
		8	Edit the description	
		9	Edit the section description	
		10	Edit the scenario description	
		11	Edit the range question	
		12	Edit the question and answers of an MCQ	
		13	Add a new question in the scenario	
		14	Remove this newly added question	
		15	Add a new scenario	
		16	Delete this newly added scenario	
8	Test the clinician edit and cancel the changes	1	The clinician login into the system	P
		2	Click the edit button for SSQ-CH	
		3	Click the Cancel button	
		4	Click the No button in the double-check box	
		5	Click the Cancel button again	
		6	Click the Yes button in the double-check box	
9	Test the clinician edit and save the changes	1	The clinician login into the system	P
		2	Click the edit button for SSQ-CH	
		3	Click the Save button	
		4	Click the No button in the double-check box	
		5	Click the Save button again	
		6	Click the Yes button in the double-check box	
10	Test clinician view the instruction	1	The clinician login into the system	P
		2	Click the Instruction tab in the sidebar	
		3	The web displays the instruction page, and the URL is the http://localhost:3000/clinician/Instructions	
11	Test the clinician share the questionnaire with	1	The clinician login into the system	P
		2	Click the Share tab in the sidebar	

Test ID	Page	Steps	Steps Description	Test Result
	empty email and sections	3	Click the Share button within the SSQ-CH	
		4	Share this questionnaire	
		5	The web displays some reminder information	
12	Test the clinician share the questionnaire with empty email	1	The clinician login into the system	P
		2	Click the Share tab in the sidebar	
		3	Click the Share button within the SSQ-CH	
		4	Choose all the sections	
		5	Share this questionnaire	
		6	The web displays some reminder information	
13	Test the clinician share the questionnaire without any section	1	The clinician login into the system	P
		2	Click the Share tab in the sidebar	
		3	Click the Share button within the SSQ-CH	
		4	Type in the email gonna send to	
		5	Share this questionnaire	
		6	The web displays some reminder information	
14	Test the clinician share the questionnaire with one section	1	The clinician login into the system	P
		2	Click the Share tab in the sidebar	
		3	Click the Share button within the SSQ-CH	
		4	Type in the email gonna send to	
		5	Select one section	
		6	Share this questionnaire	
		7	Share successfully	
15	Test the clinician share the questionnaire with two sections	1	The clinician login into the system	P
		2	Click the Share tab in the sidebar	
		3	Click the Share button within the SSQ-CH	
		4	Type in the email gonna send to	
		5	Select two sections	
		6	Share this questionnaire	
		7	Share successfully	
16	Test the clinician	1	The clinician login into the system	P

Test ID	Page	Steps	Steps Description	Test Result
	Share the questionnaire with all sections	2	Click the Share tab in the sidebar	
		3	Click the Share button within the SSQ-CH	
		4	Type in the email gonna send to	
		5	Select all sections	
		6	Share this questionnaire	
		7	Share successfully	
17	Test clinician complete the questionnaire and enter the patient's information	1	Clinician login into the system successfully	P
		2	Click the DoTheTest tab in the sidebar	
		3	Click the SSQ-CH to do the test	
		4	Fill in the patient's information	
		5	Click the next button	
		6	Displayed the page for doing the test	
18	Test clinician complete the questionnaire without the patient's information	1	Clinician login into the system successfully	P
		2	Click the DoTheTest tab in the sidebar	
		3	Click the SSQ-CH to do the test	
		4	Click the next button	
		5	Displayed some reminder information to ask fill in the patient's information	
19	Test clinician back button on page1 of completing a questionnaire	1	Clinician login into the system successfully	P
		2	Click the DoTheTest tab in the sidebar	
		3	Click the SSQ-CH to do the test	
		4	Click the back button	
		5	Displayed the list of the questionnaire that can be used to do the test	
20	Test clinician click the review button on page2 of completing a questionnaire	1	Clinician login into the system successfully	P
		2	Click the DoTheTest tab in the sidebar	
		3	Click the SSQ-CH to do the test	
		4	Fill in the patient's information	
		5	Click the next button	
		6	Click the review button	
		7	Displayed review page of completing the questionnaire	

Test ID	Page	Steps	Steps Description	Test Result
21	Test clinician clicks the back button on page2 of completing a questionnaire	1	Clinician login into the system successfully	P
		2	Click the DoTheTest tab in the sidebar	
		3	Click the SSQ-CH to do the test	
		4	Fill in the patient's information	
		5	Click the next button	
		6	Click the back button	
		7	Displayed the page for patient's information	
22	Test clinician fill in the questionnaire when doing a test	1	Clinician login into the system successfully	P
		2	Click the DoTheTest tab in the sidebar	
		3	Click the SSQ-CH to do the test	
		4	Fill in the patient's information	
		5	Click the next button	
		6	Choose the slider and also answer the MCQs	
23	Test clinician click the back button on page3 of doing a test	1	Clinician login into the system successfully	P
		2	Click the DoTheTest tab in the sidebar	
		3	Click the SSQ-CH to do the test	
		4	Fill in the patient's information	
		5	Click the next button	
		6	Click the review button	
		7	Click the back button	
		8	Back to the page for filling in the questionnaire	
24	Test clinician submits the questionnaire	1	Clinician login into the system successfully	P
		2	Click the DoTheTest tab in the sidebar	
		3	Click the SSQ-CH to do the test	
		4	Fill in the patient's information	
		5	Click the next button	
		6	Click the review button	
		7	Click the submit button	
		8	Successfully submit	
25	Test admin login	1	The admin click the Admin button to go to the admin login page	P

Test ID	Page	Steps	Steps Description	Test Result
	without username and password	2	Click the login button	
		3	Displayed the reminder message	
26	Test admin login with the wrong username and password	1	The admin click the Admin button to go to the admin login page	P
		2	Enter "test_username" as the username, and "test_password" as the password	
		3	Click the login button	
		4	Displayed the reminder message	
27	Test admin login with the correct username and password	1	The admin click the Admin button to go to the admin login page	P
		2	Enter correct username and password	
		3	Click the login button	
		4	Admin login into the system successfully	
28	Test admin logout after login into the system	1	The admin click the Admin button to go to the admin login page	P
		2	Enter correct username and password	
		3	Click the login button	
		4	Admin login into the system successfully	
		5	Click the logout button	
		6	Admin logout successfully	
29	Test view the questionnaire as an admin	1	Admin login into the system successfully	P
		2	Click the SSQ-P to view this questionnaire	
		3	The SSQ-P displayed successfully, and the URL is http://localhost:3000/admin/standard/75bea290-a6c4-11ea-90b9-4720072c0f8f/view	
30	Test edit the questionnaire as an admin	1	Admin login into the system successfully	P
		2	Click the edit button within the SSQ-CH questionnaire	
		3	The URL is http://localhost:3000/admin/75bea290-a6c4-11ea-90b9-4720072c0f8f/edit , and the admin can edit the questionnaire in this page	
31	Test save the instruction as an admin	1	Admin login into the system successfully	P
		2	Click the Instruction tab in the sidebar	
		3	Click the save button	
		4	Click the ok button to save the changes	
32	Test view an element in organisation list as	1	Admin login into the system successfully	P
		2	Click the Organisation tab in the sidebar	

Test ID	Page	Steps	Steps Description	Test Result
	an admin	3	Displays all the organisations	
		4	Click the first item in the organisation list	
		5	Displays all the clinicians belong to this organisation	
33	Test cancel-yes for editing instruction as an admin	1	Admin login into the system successfully	P
		2	Click the Instruction tab in the sidebar	
		3	Click the Cancel button	
		4	Click the no button to cancel the Cancel progress	
34	Test forget password function as a clinician without email	1	Click the forgetPassword tab	F
		2	Click the submit button without input email	
		3	Displays some error information to reminder the user	
35	Test forget password function as a clinician with email	1	Click the forgetPassword tab	P
		2	Enter "test_email@gmail.com" in the email text area	
		3	Click the submit button without input email	
		4	Display "Request sent successfully!"	

• Integration Test Report Sprint 3

Completion :

		Frontend Unit Test
Number of Test Cases Passed		34
Number of Test Cases Failed	Solved	0
	Unsolved	1
Number of Test Cases Executed		35

Defects Resolved in Current Sprint :

ID	Description	Priority	Status Updated
13	The clinician can share the questionnaire without any sections successfully	High	FIXED
18	The clinician can click the Next button even if they do not fill in the patient's information	High	FIXED

Defects Deferred to Next Sprint :

ID	Description	Priority	Status Updated
34	The clinician can try to get the password if they forget	High	UNFIXED

• Integration Test Cases Sprint 4

Test ID	Page	Steps	Steps Description	Test Result
1	Test clinician login with empty input	1	Click the clinician button in web home page	P
		2	Click the login button	
		3	The web displayed reminder information	
2	Test clinician login with the wrong email	1	Click the clinician button in web home page	P
		2	Enter "Unittest123" in the password text area	
		3	Click the login button	
		4	The web displayed reminder information	
3	Test clinician login with the wrong password	1	Click the clinician button in web home page	P
		2	Enter "unittest2@gmail.com" in the email text area. And enter "sample" in the password text area	
		3	Click the login button	
		4	The web displayed reminder information	
4	Test clinician login with the correct username and password	1	Click the clinician button in web home page	P
		2	Enter "unittest2@gmail.com" in the email text area. And enter "Unittest123" in the password text area	
		3	Click the login button	
		4	The clinician login successfully	
5	Test clinician view the questionnaire	1	The clinician login into the system	P
		2	Click the SSQ-CH to view this questionnaire	
		3	The web displayed the SSQ-CH questionnaire, and the URL is http://localhost:3000/standard/0d59c9d0-e6c7-11ea-a7af-355badb8db84/view	
6	Test the clinician add and delete the questionnaire	1	The clinician login into the system	P
		2	Click the Add New button to add a new questionnaire	
		3	The new questionnaire has been created and displayed in the questionnaire list	
		4	Click the Delete button within this questionnaire	
		5	The system deletes this newly added questionnaire and this questionnaire has been removed from the list	
7	Test the clinician edit the questionnaire	1	The clinician login into the system	P
		2	Click the edit button for SSQ-CH	
		3	Span the first section	

Test ID	Page	Steps	Steps Description	Test Result
		4	Span the first scenario	
		5	Choose the child type	
		6	Choose the parent type	
		7	Edit the title	
		8	Edit the description	
		9	Edit the section description	
		10	Edit the scenario description	
		11	Edit the range question	
		12	Edit the question and answers of an MCQ	
		13	Add a new question in the scenario	
		14	Remove this newly added question	
		15	Add a new scenario	
		16	Delete this newly added scenario	
8	Test the clinician edit and cancel the changes	1	The clinician login into the system	P
		2	Click the edit button for SSQ-CH	
		3	Click the Cancel button	
		4	Click the No button in the double-check box	
		5	Click the Cancel button again	
		6	Click the Yes button in the double-check box	
9	Test the clinician edit and save the changes	1	The clinician login into the system	P
		2	Click the edit button for SSQ-CH	
		3	Click the Save button	
		4	Click the No button in the double-check box	
		5	Click the Save button again	
		6	Click the Yes button in the double-check box	
10	Test clinician view the instruction	1	The clinician login into the system	P
		2	Click the Instruction tab in the sidebar	
		3	The web displays the instruction page, and the URL is the http://localhost:3000/clinician/Instructions	
11	Test the clinician share the questionnaire with	1	The clinician login into the system	P
		2	Click the Share tab in the sidebar	

Test ID	Page	Steps	Steps Description	Test Result
	empty email and sections	3	Click the Share button within the SSQ-CH	
		4	Share this questionnaire	
		5	The web displays some reminder information	
12	Test the clinician share the questionnaire with empty email	1	The clinician login into the system	P
		2	Click the Share tab in the sidebar	
		3	Click the Share button within the SSQ-CH	
		4	Choose all the sections	
		5	Share this questionnaire	
		6	The web displays some reminder information	
13	Test the clinician share the questionnaire without any section	1	The clinician login into the system	P
		2	Click the Share tab in the sidebar	
		3	Click the Share button within the SSQ-CH	
		4	Type in the email gonna send to	
		5	Share this questionnaire	
		6	The web displays some reminder information	
14	Test the clinician share the questionnaire with one section	1	The clinician login into the system	P
		2	Click the Share tab in the sidebar	
		3	Click the Share button within the SSQ-CH	
		4	Type in the email gonna send to	
		5	Select one section	
		6	Share this questionnaire	
		7	Share successfully	
15	Test the clinician share the questionnaire with two sections	1	The clinician login into the system	P
		2	Click the Share tab in the sidebar	
		3	Click the Share button within the SSQ-CH	
		4	Type in the email gonna send to	
		5	Select two sections	
		6	Share this questionnaire	
		7	Share successfully	
16	Test the clinician	1	The clinician login into the system	P

Test ID	Page	Steps	Steps Description	Test Result
	Share the questionnaire with all sections	2	Click the Share tab in the sidebar	
		3	Click the Share button within the SSQ-CH	
		4	Type in the email gonna send to	
		5	Select all sections	
		6	Share this questionnaire	
		7	Share successfully	
17	Test clinician complete the questionnaire and enter the patient's information	1	Clinician login into the system successfully	P
		2	Click the DoTheTest tab in the sidebar	
		3	Click the SSQ-CH to do the test	
		4	Fill in the patient's information	
		5	Click the next button	
		6	Displayed the page for doing the test	
18	Test clinician complete the questionnaire without the patient's information	1	Clinician login into the system successfully	P
		2	Click the DoTheTest tab in the sidebar	
		3	Click the SSQ-CH to do the test	
		4	Click the next button	
		5	Displayed some reminder information to ask fill in the patient's information	
19	Test clinician back button on page1 of completing a questionnaire	1	Clinician login into the system successfully	P
		2	Click the DoTheTest tab in the sidebar	
		3	Click the SSQ-CH to do the test	
		4	Click the back button	
		5	Displayed the list of the questionnaire that can be used to do the test	
20	Test clinician click the review button on page2 of completing a questionnaire	1	Clinician login into the system successfully	P
		2	Click the DoTheTest tab in the sidebar	
		3	Click the SSQ-CH to do the test	
		4	Fill in the patient's information	
		5	Click the next button	
		6	Click the review button	
		7	Displayed review page of completing the questionnaire	

Test ID	Page	Steps	Steps Description	Test Result
21	Test clinician clicks the back button on page2 of completing a questionnaire	1	Clinician login into the system successfully	P
		2	Click the DoTheTest tab in the sidebar	
		3	Click the SSQ-CH to do the test	
		4	Fill in the patient's information	
		5	Click the next button	
		6	Click the back button	
		7	Displayed the page for patient's information	
22	Test clinician fill in the questionnaire when doing a test	1	Clinician login into the system successfully	P
		2	Click the DoTheTest tab in the sidebar	
		3	Click the SSQ-CH to do the test	
		4	Fill in the patient's information	
		5	Click the next button	
		6	Choose the slider and also answer the MCQs	
23	Test clinician click the back button on page3 of doing a test	1	Clinician login into the system successfully	P
		2	Click the DoTheTest tab in the sidebar	
		3	Click the SSQ-CH to do the test	
		4	Fill in the patient's information	
		5	Click the next button	
		6	Click the review button	
		7	Click the back button	
		8	Back to the page for filling in the questionnaire	
24	Test clinician submits the questionnaire	1	Clinician login into the system successfully	P
		2	Click the DoTheTest tab in the sidebar	
		3	Click the SSQ-CH to do the test	
		4	Fill in the patient's information	
		5	Click the next button	
		6	Click the review button	
		7	Click the submit button	
		8	Successfully submit	
25	Test admin login	1	The admin click the Admin button to go to the admin login page	P

Test ID	Page	Steps	Steps Description	Test Result
	without username and password	2	Click the login button	
		3	Displayed the reminder message	
26	Test admin login with the wrong username and password	1	The admin click the Admin button to go to the admin login page	P
		2	Enter "test_username" as the username, and "test_password" as the password	
		3	Click the login button	
		4	Displayed the reminder message	
27	Test admin login with the correct username and password	1	The admin click the Admin button to go to the admin login page	P
		2	Enter correct username and password	
		3	Click the login button	
		4	Admin login into the system successfully	
28	Test admin logout after login into the system	1	The admin click the Admin button to go to the admin login page	P
		2	Enter correct username and password	
		3	Click the login button	
		4	Admin login into the system successfully	
		5	Click the logout button	
		6	Admin logout successfully	
29	Test view the questionnaire as an admin	1	Admin login into the system successfully	P
		2	Click the SSQ-P to view this questionnaire	
		3	The SSQ-P displayed successfully, and the URL is http://localhost:3000/admin/standard/75bea290-a6c4-11ea-90b9-4720072c0f8f/view	
30	Test edit the questionnaire as an admin	1	Admin login into the system successfully	P
		2	Click the edit button within the SSQ-CH questionnaire	
		3	The URL is http://localhost:3000/admin/75bea290-a6c4-11ea-90b9-4720072c0f8f/edit , and the admin can edit the questionnaire in this page	
31	Test save the instruction as an admin	1	Admin login into the system successfully	P
		2	Click the Instruction tab in the sidebar	
		3	Click the save button	
		4	Click the ok button to save the changes	
32	Test view an element in organisation list as	1	Admin login into the system successfully	P
		2	Click the Organisation tab in the sidebar	

Test ID	Page	Steps	Steps Description	Test Result
	an admin	3	Displays all the countries	
		4	Click the first item in the country list	
		5	Displays all the organisations from this country	
33	Test view clinician in an organisation	1	Admin login into the system successfully	P
		2	Click the Organisation tab in the sidebar	
		3	Displays all the countries	
		4	Click the first item in the country list	
		5	Displays all the organisations from this country	
		6	Click the first item in these organisations	
		7	Displays all the clinicians in this organisation	
34	Test cancel-yes for editing instruction as an admin	1	Admin login into the system successfully	P
		2	Click the Instruction tab in the sidebar	
		3	Click the Cancel button	
		4	Click the no button to cancel the Cancel progress	
35	Test forget password function as a clinician without email	1	Click the forgetPassword tab	P
		2	Click the submit button without input email	
		3	Displays some error information to reminder the user	
36	Test forget password function as a clinician with email	1	Click the forgetPassword tab	P
		2	Enter "test_email@gmail.com" in the email text area	
		3	Click the submit button without input email	
		4	Display "Request sent successfully!"	

• Integration Test Report Sprint 4

Completion :

		Frontend Unit Test
Number of Test Cases Passed		36
Number of Test Cases Failed	Solved	0
	Unsolved	0
Number of Test Cases Executed		36

Defects Resolved in Current Sprint :

ID	Description	Priority	Status Updated
34	The clinician can try to get the password if they forget	High	FIXED

Defects Deferred to Next Sprint :

ID	Description	Priority	Status Updated
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4. ACCEPTANCE TEST

The User Acceptance Test Cases that we used is the in the User Story document. The team does the User Acceptance Test manually rather than use automatic tools which like the tools that are used for unit test and integration test.

Below are the User Acceptance Test that the team did at the end of each Sprint. And there are 4 Sprints in total.

• User Acceptance Test Sprint 1

	Acceptance Tests
Number of Test Cases Passed	26
Number of Test Cases Executed	4

Test ID	Steps	Steps Description	Test Result
1.01	1	On the SSQ website.	F
	2	Click on the 'instructions' tab in the sidebar.	
	3	Display the text or pictures that can help users understand the SSQ scale concept.	
28.01	1	On the SSQ website.	P
	2	Click the 'clinician' tab.	
	3	Click the signup button.	
	4	Enter a valid email address and password and click on the 'Signup' button.	
29.01	1	On the SSQ website.	P
	2	Click the 'clinician' tab.	
	3	Enter the correct email and password.	
	4	Click on the login button.	
	5	Login successfully as a clinician.	
29.02	1	On the SSQ website.	P
	2	Click the 'clinician' tab.	
	3	Enter the wrong combination of email and password.	
	4	Click on the login button.	
	5	An error message that says 'Wrong email or password' will be displayed.	
30.01	1	On the SSQ website.	P
	2	Click the 'admin' tab.	
	3	Enter the correct email and password.	
	4	Click on the login button.	
	5	Login successfully as an admin.	
30.02	1	On the SSQ website.	P

Test ID	Steps	Steps Description	Test Result
	2	Click the 'admin' tab.	
	3	Enter the wrong combination of email and password.	
	4	Click on the login button.	
	5	An error message that says 'Wrong email or password' will be displayed.	
2.01	1	Successfully login into the system as a clinician.	F
	2	Click on the relevant questionnaire and see the sections of the questionnaire.	
	3	Click on the section of the questionnaire users would like to conduct.	
	4	The website will direct to the section of the questionnaire.	
2.02	1	Successfully login into the system as a clinician.	P
	2	Begin the section of the questionnaire.	
	3	Required to fill in details of the patients before users begin.	
2.03	1	Successfully login into the system as a clinician.	P
	2	Conducting the questionnaire.	
	3	Click on the add comment button and add relevant comments.	
2.04	1	Successfully login into the system as a clinician.	P
	2	Completed the relevant section of the questionnaire.	
	3	Click on the complete button.	
	4	The website will allow users to select the format users would like and the website will email the results.	
2.05	1	Successfully login into the system as a clinician.	F
	2	Click on a section of the questionnaire.	
	3	Click on the back button.	
	4	Users would be redirected to the questionnaire main page to reselect another section.	
31.01	1	Successfully login into the system as a clinician.	P
	2	Click 'Questionnaire' button.	
	3	Click the 'Share' button for the questionnaire the user gonna use.	
	4	Enter the patient's email address.	
	5	A view-only public URL will be sent to the email just entered.	
31.02	1	Successfully login into the system as a clinician.	P
	2	Click 'Questionnaire' button.	

Test ID	Steps	Steps Description	Test Result
	3	Click the "Share"™ button for the questionnaire the user gonna use.	
	4	Enter the patient's email address.	
	5	A view-only public URL will be sent to the email just entered.	
	6	Patients click the URL in that email.	
	7	Patients can view the questionnaire.	
31.03	1	Successfully login into the system as a clinician.	P
	2	Click 'Questionnaire' button.	
	3	Click the "Share"™ button for the questionnaire the user gonna use.	
	4	Enter the patient's email address.	
	5	A view-only public URL will be sent to the email just entered.	
	6	Patients click the URL in that email.	
	7	Patients conduct the relevant sections of the questionnaire.	
	8	Click the complete button.	
	9	The system will send the results to the clinician's email.	
32.01	1	Successfully login into the system as a clinician.	P
	2	Click the share button.	
	3	Enter the patient's email address.	
	4	A public URL will be sent to the email just entered.	
	5	Click the URL in that email.	
	6	Patients can conduct the questionnaire.	
32.02	1	Successfully login into the system as a clinician.	P
	2	Click the share button.	
	3	Enter the patient's email address.	
	4	A public URL will be sent to the email just entered.	
	5	Click the URL in that email.	
	6	Patients conduct the relevant sections of the questionnaire.	
	7	Click the complete button.	
	8	The system will send the results to the clinician's email.	
3.01	1	Successfully login into the system as a clinician.	F
	2	Click the Questionnaire button on the sidebar.	

Test ID	Steps	Steps Description	Test Result
7.01	3	Click the questionnaire want to view.	P
	4	The questionnaire will be displayed for users to view.	
	1	Successfully login into the system as a clinician.	
	2	Click the Questionnaire button on the sidebar.	
7.02	3	Click on 'Add New' button on the Questionnaire home page.	P
	4	A new questionnaire called 'New custom questionnaire' will appear under 'My Customised Questionnaires'.	
	1	Successfully login into the system as a clinician.	
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to rename.	
10.01	4	Click 'Edit' button.	P
	5	It will redirect users to the edit questionnaire page and users can edit the title and description of the questionnaire.	
	1	Successfully login into the system as a clinician.	
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to delete.	
8.01	4	Click on the 'Delete' button.	P
	5	The questionnaire will be deleted.	
	1	Successfully login into the system as a clinician.	
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
8.02	4	Click 'Edit' button.	P
	5	It will redirect users to the edit questionnaire page.	
	1	Successfully login into the system as a clinician.	
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
	4	Click 'Edit' button.	
	5	It will redirect users to the edit questionnaire page.	
8.03	6	Click 'Add New Question'.	P
	7	A new question template will be generated.	
	1	Successfully login into the system as a clinician.	

Test ID	Steps	Steps Description	Test Result
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
	4	Click 'Edit' button.	
	5	It will redirect users to the edit questionnaire page.	
	6	Click 'RANGE QUESTION' button.	
	7	A sliding bar will appear beneath the question.	
8.04	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
	4	Click 'Edit' button.	
	5	It will redirect users to the edit questionnaire page.	
	6	Click on the 'MULTIPLE CHOICE QUESTION' button.	
	7	A button with '+' sign will appear and users can add multiple options for the answer.	
8.05	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
	4	Click 'Edit' button.	
	5	It will redirect users to the edit questionnaire page.	
	6	Finished adding questions to users questionnaire	
	7	Click save button for the questionnaire.	
	8	The questionnaire will be saved and users will be redirected to the 'Questionnaires' home page.	
8.06	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
	4	Click 'Edit' button.	
	5	It will redirect users to the edit questionnaire page.	
	6	Finished adding questions to users questionnaire	
	7	Click cancel button on the questionnaire page	
	8	The new questions added will not be saved and the questionnaire will revert to the older version and users will be redirected to the 'Questionnaires' home page.	

Test ID	Steps	Steps Description	Test Result
9.01	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
	4	Click 'Edit' button.	
	5	It will redirect users to the edit questionnaire page for the customised questionnaire of interest.	
9.02	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
	4	Click 'Edit' button.	
	5	It will redirect users to the edit questionnaire page for the customized questionnaire of interest.	
	6	Click 'REMOVE' for a question.	
	7	The question will be removed.	
9.03	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
	4	Click 'Edit' button.	
	5	It will redirect users to the edit questionnaire page for the customized questionnaire of interest.	
	6	Have finished removing questions from the questionnaire.	
	7	Click save button for the questionnaire.	
	8	The questionnaire will be published and the deleted questions will be removed from the questionnaire and users will be redirected to the 'Questionnaires' home page.	
9.04	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
	4	Click 'Edit' button.	
	5	It will redirect users to the edit questionnaire page for the customized questionnaire of interest.	
	6	Have finished removing questions from the questionnaire.	
	7	Click cancel button on the questionnaire page.	

Test ID	Steps	Steps Description	Test Result
	8	The deleted questions will no longer be removed and the questionnaire will revert to the older version and users will be redirected to the 'Questionnaires' home page.	

• User Acceptance Test Sprint 2

	Acceptance Tests
Number of Test Cases Passed	45
Number of Test Cases Executed	4

Test ID	Steps	Steps Description	Test Result
28.01	1	On the SSQ website.	P
	2	Click the 'clinician' tab.	
	3	Click the signup button.	
	4	Enter a valid email address and password and click on the 'Signup' button.	
29.01	1	On the SSQ website.	P
	2	Click the 'clinician' tab.	
	3	Enter the correct email and password.	
	4	Click on the login button.	
	5	Login successfully as a clinician.	
29.02	1	On the SSQ website.	P
	2	Click the 'clinician' tab.	
	3	EnterÂ the wrong combination of email and password.	
	4	Click on the login button.	
	5	An error message that says 'Wrong email or password' will be displayed.	
30.01	1	On the SSQ website.	P
	2	Click the 'admin' tab.	
	3	Enter the correct email and password.	
	4	Click on the login button.	
	5	Login successfully as an admin.	
30.02	1	On the SSQ website.	P
	2	Click the 'admin' tab.	
	3	EnterÂ the wrong combination of email and password.	
	4	Click on the login button.	

Test ID	Steps	Steps Description	Test Result
	5	An error message that says 'Wrong email or password' will be displayed.	
2.01	1	Successfully login into the system as a clinician.	P
	2	Click on the relevant questionnaire and see the sections of the questionnaire.	
	3	Click on the section of the questionnaire users would like to conduct.	
	4	The website will direct to the section of the questionnaire.	
2.02	1	Successfully login into the system as a clinician.	P
	2	Begin the section of the questionnaire.	
	3	Required to fill in details of the patients before users begin.	
2.03	1	Successfully login into the system as a clinician.	P
	2	Conducting the questionnaire.	
	3	Click on the add comment button and add relevant comments.	
2.04	1	Successfully login into the system as a clinician.	P
	2	Completed the relevant section of the questionnaire.	
	3	Click on the complete button.	
	4	The website will allow users to select the format users would like and the website will email the results.	
2.05	1	Successfully login into the system as a clinician.	P
	2	Click on a section of the questionnaire.	
	3	Click on the back button.	
	4	Users would be redirected to the questionnaire main page to reselect another section.	
31.01	1	Successfully login into the system as a clinician.	P
	2	Click 'Questionnaire' button.	
	3	Click the 'Share' button for the questionnaire the user gonna use.	
	4	Enter the patient's email address.	
	5	A view-only public URL will be sent to the email just entered.	
31.02	1	Successfully login into the system as a clinician.	P
	2	Click 'Questionnaire' button.	
	3	Click the 'Share' button for the questionnaire the user gonna use.	
	4	Enter the patient's email address.	
	5	A view-only public URL will be sent to the email just entered.	

Test ID	Steps	Steps Description	Test Result
31.03	6	Patients click the URL in that email.	P
	7	Patients can view the questionnaire.	
	1	Successfully login into the system as a clinician.	
	2	Click 'Questionnaire' button.	
	3	Click the "Share" button for the questionnaire the user gonna use.	
	4	Enter the patient's email address.	
	5	A view-only public URL will be sent to the email just entered.	
	6	Patients click the URL in that email.	
	7	Patients conduct the relevant sections of the questionnaire.	
	8	Click the complete button.	
	9	The system will send the results to the clinician's email.	
32.01	1	Successfully login into the system as a clinician.	P
	2	Click the share button.	
	3	Enter the patient's email address.	
	4	A public URL will be sent to the email just entered.	
	5	Click the URL in that email.	
	6	Patients can conduct the questionnaire.	
32.02	1	Successfully login into the system as a clinician.	P
	2	Click the share button.	
	3	Enter the patient's email address.	
	4	A public URL will be sent to the email just entered.	
	5	Click the URL in that email.	
	6	Patients conduct the relevant sections of the questionnaire.	
	7	Click the complete button.	
	8	The system will send the results to the clinician's email.	
3.01	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire want to view.	
	4	The questionnaire will be displayed for users to view.	
7.01	1	Successfully login into the system as a clinician.	P

Test ID	Steps	Steps Description	Test Result
	2	Click the Questionnaire button on the sidebar.	
	3	Click on 'Add New' button on the Questionnaire home page.	
	4	A new questionnaire called 'New custom questionnaire' will appear under 'My Customised Questionnaires'.	
7.02	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to rename.	
	4	Click 'Edit' button.	
	5	It will redirect users to the edit questionnaire page and users can edit the title and description of the questionnaire.	
10.01	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to delete.	
	4	Click on the 'Delete' button.	
	5	The questionnaire will be deleted.	
8.01	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
	4	Click 'Edit' button.	
	5	It will redirect users to the edit questionnaire page.	
8.02	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
	4	Click 'Edit' button.	
	5	It will redirect users to the edit questionnaire page.	
	6	Click 'Add New Question'.	
	7	A new question template will be generated.	
8.03	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
	4	Click 'Edit' button.	

Test ID	Steps	Steps Description	Test Result
	5	It will redirect users to the edit questionnaire page.	
	6	Click 'RANGE QUESTION' button.	
	7	A sliding bar will appear beneath the question.	
8.04	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
	4	Click 'Edit' button.	
	5	It will redirect users to the edit questionnaire page.	
	6	Click on the 'MULTIPLE CHOICE QUESTION' button.	
	7	A button with '+' sign will appear and users can add multiple options for the answer.	
8.05	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
	4	Click 'Edit' button.	
	5	It will redirect users to the edit questionnaire page.	
	6	Finished adding questions toÂ users questionnaire	
	7	Click save button for the questionnaire.	
	8	The questionnaire will be saved and users will be redirected to the 'Questionnaires' home page.	
8.06	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
	4	Click 'Edit' button.	
	5	It will redirectÂ users to the edit questionnaire page.	
	6	Finished adding questions toÂ users questionnaire	
	7	Click cancel button on the questionnaire page	
	8	The new questions added will not be saved and the questionnaire will revert to the older versionÂ and users will be redirected to the 'Questionnaires' home page.	
9.01	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	

Test ID	Steps	Steps Description	Test Result
	4	Click 'Edit' button.	
	5	It will redirect users to the edit questionnaire page for the customised questionnaire of interest.	
9.02	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
	4	Click 'Edit' button.	
	5	It will redirect users to the edit questionnaire page for the customized questionnaire of interest.	
	6	Click 'REMOVE' for a question.	
	7	The question will be removed.	
9.03	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
	4	Click 'Edit' button.	
	5	It will redirect users to the edit questionnaire page for the customized questionnaire of interest.	
	6	Have finished removing questions from the questionnaire.	
	7	Click save button for the questionnaire.	
	8	The questionnaire will be published and the deleted questions will be removed from the questionnaire and users will be redirected to the 'Questionnaires' home page.	
9.04	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
	4	Click 'Edit' button.	
	5	It will redirect users to the edit questionnaire page for the customized questionnaire of interest.	
	6	Have finished removing questions from the questionnaire.	
	7	Click cancel button on the questionnaire page.	
	8	The deleted questions will no longer be removed and the questionnaire will revert to the older version and users will be redirected to the 'Questionnaires' home page.	
99.01	1	Clinician at the signup Page	P
	2	Enter the signup information	

Test ID	Steps	Steps Description	Test Result
	3	Click the signup button	
	4	The system displays the clinician has signed up successfully	
35.01	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
	4	Click 'Edit' button.	
	5	Edit the questionnaire	
	6	Click the 'Save' button	
	7	Click 'Yes' button	
	8	The questionnaire has been saved and the changes can be viewed by all other clinicians	
36.01	1	Successfully login into the system as an admin	P
	2	Click the edit button for SSQ-P or SSQ-CH	
	3	The web displayed the page for editing the questionnaire	
36.02	1	Successfully login into the system as an admin	P
	2	Click the edit button for SSQ-P or SSQ-CH	
	3	The web displayed the page for editing the questionnaire	
	4	Click 'add' button to add a section	
	5	A section has been added into the questionnaire	
36.03	1	Successfully login into the system as an admin	P
	2	Click the edit button for SSQ-P or SSQ-CH	
	3	The web displayed the page for editing the questionnaire	
	4	Add a question in this questionnaire	
	5	Click the 'Save' button to save the changes	
	6	The newly added question has been saved, and the updated questionnaire can be viewed by all clinicians	
36.04	1	Successfully login into the system as an admin	P
	2	Click the edit button for SSQ-P or SSQ-CH	
	3	The web displayed the page for editing the questionnaire	
	4	Add a question in this questionnaire	
	5	Click the 'Cancel' button to cancel the changes	

Test ID	Steps	Steps Description	Test Result
	6	The newly added question will not be saved	
37.01	1	Successfully login into the system as an admin	P
	2	Click the edit button for SSQ-P or SSQ-CH	
	3	The web displayed the page for editing the questionnaire	
37.02	1	Successfully login into the system as an admin	P
	2	Click the edit button for SSQ-P or SSQ-CH	
	3	The web displayed the page for editing the questionnaire	
	4	Click the 'delete' button to delete a question	
	5	The question will be removed	
37.03	1	Successfully login into the system as an admin	P
	2	Click the edit button for SSQ-P or SSQ-CH	
	3	The web displayed the page for editing the questionnaire	
	4	Click the 'delete' button to delete a question	
	5	The question will be removed	
	6	Click the 'Save' button to save the changes	
	7	The questionnaire will be updated and published.	
37.04	1	Successfully login into the system as an admin	P
	2	Click the edit button for SSQ-P or SSQ-CH	
	3	The web displayed the page for editing the questionnaire	
	4	Click the 'delete' button to delete a question	
	5	The question will be removed	
	6	Click the 'Cancel' button to cancel the changes	
	7	The delete action will not be saved, and the questionnaire without any changes	
38.01	1	Successfully login into the system as an admin	P
	2	Click the edit button for SSQ-P or SSQ-CH	
	3	The web displayed the page for editing the questionnaire	
	4	Edit the questionnaire	
	5	Click the 'Save' button	
	6	The changes will be saved, and the questionnaire has been updated.	
38.02	1	Successfully login into the system as an admin	P

Test ID	Steps	Steps Description	Test Result
	2	Click the edit button for SSQ-P or SSQ-CH	
	3	The web displayed the page for editing the questionnaire	
	4	Edit the questionnaire	
	5	Click the 'Cancel' button	
	6	The changes will be canceled, nothing in this questionnaire will be changed.	
13.01	1	Login into the system as a clinician	P
	2	Share selected sections of the questionnaire to the patients	
	3	The patient completes the questionnaire	
	4	A report will be sent to the clinician's email	
13.02	1	Login into the system as a clinician	F
	2	Share selected sections of the questionnaire to the patients	
	3	The patient completes the questionnaire	
	4	A report will be sent to the clinician's email	
14.01	1	The patient has completed the questionnaire	P
	2	A report will be sent to the clinician's email	
	3	The clinician can see identifying information of the patient in the report	
15.01	1	The patient has completed the questionnaire	P
	2	A report will be sent to the clinician's email	
	3	The clinician can see an average score for the section of the questionnaire that has been completed	
16.01	1	The patient has completed the questionnaire	F
	2	A report will be sent to the clinician's email	
	3	The questions will be ordered based on their level of importance followed by the frequency which each scenario occurs	
18.01	1	The patient has completed the questionnaire	F
	2	Choose the format of the report	
18.02	1	The patient has completed the questionnaire	F
	2	Choose the format of the report	
	3	A report will be sent to the clinician's email	
18.03	1	The patient has completed the questionnaire	P
	2	Choose the format of the report	

Test ID	Steps	Steps Description	Test Result
	3	A report will be sent to the clinician's email	

• User Acceptance Test Sprint 3

	Acceptance Tests
Number of Test Cases Passed	55
Number of Test Cases Executed	3

Test ID	Steps	Steps Description	Test Result
28.01	1	On the SSQ website.	P
	2	Click the 'clinician' tab.	
	3	Click the signup button.	
	4	Enter a valid email address and password and click on the 'Signup' button.	
29.01	1	On the SSQ website.	P
	2	Click the 'clinician' tab.	
	3	Enter the correct email and password.	
	4	Click on the login button.	
	5	Login successfully as a clinician.	
29.02	1	On the SSQ website.	P
	2	Click the 'clinician' tab.	
	3	EnterÂ the wrong combination of email and password.	
	4	Click on the login button.	
	5	An error message that says 'Wrong email or password' will be displayed.	
30.01	1	On the SSQ website.	P
	2	Click the 'admin' tab.	
	3	Enter the correct email and password.	
	4	Click on the login button.	
	5	Login successfully as an admin.	
30.02	1	On the SSQ website.	P
	2	Click the 'admin' tab.	
	3	EnterÂ the wrong combination of email and password.	
	4	Click on the login button.	

Test ID	Steps	Steps Description	Test Result
	5	An error message that says 'Wrong email or password' will be displayed.	
2.01	1	Successfully login into the system as a clinician.	P
	2	Click on the relevant questionnaire and see the sections of the questionnaire.	
	3	Click on the section of the questionnaire users would like to conduct.	
	4	The website will direct to the section of the questionnaire.	
2.02	1	Successfully login into the system as a clinician.	P
	2	Begin the section of the questionnaire.	
	3	Required to fill in details of the patients before users begin.	
2.03	1	Successfully login into the system as a clinician.	P
	2	Conducting the questionnaire.	
	3	Click on the add comment button and add relevant comments.	
2.04	1	Successfully login into the system as a clinician.	P
	2	Completed the relevant section of the questionnaire.	
	3	Click on the complete button.	
	4	The website will allow users to select the format users would like and the website will email the results.	
2.05	1	Successfully login into the system as a clinician.	P
	2	Click on a section of the questionnaire.	
	3	Click on the back button.	
	4	Users would be redirected to the questionnaire main page to reselect another section.	
31.01	1	Successfully login into the system as a clinician.	P
	2	Click 'Questionnaire' button.	
	3	Click the 'Share' button for the questionnaire the user gonna use.	
	4	Enter the patient's email address.	
	5	A view-only public URL will be sent to the email just entered.	
31.02	1	Successfully login into the system as a clinician.	P
	2	Click 'Questionnaire' button.	
	3	Click the 'Share' button for the questionnaire the user gonna use.	
	4	Enter the patient's email address.	
	5	A view-only public URL will be sent to the email just entered.	

Test ID	Steps	Steps Description	Test Result
31.03	6	Patients click the URL in that email.	P
	7	Patients can view the questionnaire.	
	1	Successfully login into the system as a clinician.	
	2	Click 'Questionnaire' button.	
	3	Click the "Share" button for the questionnaire the user gonna use.	
	4	Enter the patient's email address.	
	5	A view-only public URL will be sent to the email just entered.	
	6	Patients click the URL in that email.	
	7	Patients conduct the relevant sections of the questionnaire.	
	8	Click the complete button.	
	9	The system will send the results to the clinician's email.	
32.01	1	Successfully login into the system as a clinician.	P
	2	Click the share button.	
	3	Enter the patient's email address.	
	4	A public URL will be sent to the email just entered.	
	5	Click the URL in that email.	
	6	Patients can conduct the questionnaire.	
32.02	1	Successfully login into the system as a clinician.	P
	2	Click the share button.	
	3	Enter the patient's email address.	
	4	A public URL will be sent to the email just entered.	
	5	Click the URL in that email.	
	6	Patients conduct the relevant sections of the questionnaire.	
	7	Click the complete button.	
	8	The system will send the results to the clinician's email.	
3.01	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire want to view.	
	4	The questionnaire will be displayed for users to view.	
7.01	1	Successfully login into the system as a clinician.	P

Test ID	Steps	Steps Description	Test Result
	2	Click the Questionnaire button on the sidebar.	
	3	Click on 'Add New' button on the Questionnaire home page.	
	4	A new questionnaire called 'New custom questionnaire' will appear under 'My Customised Questionnaires'.	
7.02	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to rename.	
	4	Click 'Edit' button.	
	5	It will redirect users to the edit questionnaire page and users can edit the title and description of the questionnaire.	
10.01	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to delete.	
	4	Click on the 'Delete' button.	
	5	The questionnaire will be deleted.	
8.01	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
	4	Click 'Edit' button.	
	5	It will redirect users to the edit questionnaire page.	
8.02	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
	4	Click 'Edit' button.	
	5	It will redirect users to the edit questionnaire page.	
	6	Click 'Add New Question'.	
	7	A new question template will be generated.	
8.03	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
	4	Click 'Edit' button.	

Test ID	Steps	Steps Description	Test Result
	5	It will redirect users to the edit questionnaire page.	
	6	Click 'RANGE QUESTION' button.	
	7	A sliding bar will appear beneath the question.	
8.04	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
	4	Click 'Edit' button.	
	5	It will redirect users to the edit questionnaire page.	
	6	Click on the 'MULTIPLE CHOICE QUESTION' button.	
	7	A button with '+' sign will appear and users can add multiple options for the answer.	
8.05	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
	4	Click 'Edit' button.	
	5	It will redirect users to the edit questionnaire page.	
	6	Finished adding questions toÂ users questionnaire	
	7	Click save button for the questionnaire.	
	8	The questionnaire will be saved and users will be redirected to the 'Questionnaires' home page.	
8.06	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
	4	Click 'Edit' button.	
	5	It will redirectÂ users to the edit questionnaire page.	
	6	Finished adding questions toÂ users questionnaire	
	7	Click cancel button on the questionnaire page	
	8	The new questions added will not be saved and the questionnaire will revert to the older versionÂ and users will be redirected to the 'Questionnaires' home page.	
9.01	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	

Test ID	Steps	Steps Description	Test Result
	4	Click 'Edit' button.	
	5	It will redirect users to the edit questionnaire page for the customised questionnaire of interest.	
9.02	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
	4	Click 'Edit' button.	
	5	It will redirect users to the edit questionnaire page for the customized questionnaire of interest.	
	6	Click 'REMOVE' for a question.	
	7	The question will be removed.	
9.03	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
	4	Click 'Edit' button.	
	5	It will redirect users to the edit questionnaire page for the customized questionnaire of interest.	
	6	Have finished removing questions from the questionnaire.	
	7	Click save button for the questionnaire.	
	8	The questionnaire will be published and the deleted questions will be removed from the questionnaire and users will be redirected to the 'Questionnaires' home page.	
9.04	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
	4	Click 'Edit' button.	
	5	It will redirect users to the edit questionnaire page for the customized questionnaire of interest.	
	6	Have finished removing questions from the questionnaire.	
	7	Click cancel button on the questionnaire page.	
	8	The deleted questions will no longer be removed and the questionnaire will revert to the older version and users will be redirected to the 'Questionnaires' home page.	
99.01	1	Clinician at the signup Page	P
	2	Enter the signup information	

Test ID	Steps	Steps Description	Test Result
35.01	3	Click the signup button	P
	4	The system displays the clinician has signed up successfully	
	1	Successfully login into the system as a clinician.	
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
	4	Click 'Edit' button.	
	5	Edit the questionnaire	
	6	Click the 'Save' button	
	7	Click 'Yes' button	
	8	The questionnaire has been saved and the changes can be viewed by all other clinicians	
36.01	1	Successfully login into the system as an admin	P
	2	Click the edit button for SSQ-P or SSQ-CH	
	3	The web displayed the page for editing the questionnaire	
36.02	1	Successfully login into the system as an admin	P
	2	Click the edit button for SSQ-P or SSQ-CH	
	3	The web displayed the page for editing the questionnaire	
	4	Click 'add' button to add a section	
	5	A section has been added into the questionnaire	
36.03	1	Successfully login into the system as an admin	P
	2	Click the edit button for SSQ-P or SSQ-CH	
	3	The web displayed the page for editing the questionnaire	
	4	Add a question in this questionnaire	
	5	Click the 'Save' button to save the changes	
	6	The newly added question has been saved, and the updated questionnaire can be viewed by all clinicians	
36.04	1	Successfully login into the system as an admin	P
	2	Click the edit button for SSQ-P or SSQ-CH	
	3	The web displayed the page for editing the questionnaire	
	4	Add a question in this questionnaire	
	5	Click the 'Cancel' button to cancel the changes	

Test ID	Steps	Steps Description	Test Result
	6	The newly added question will not be saved	
37.01	1	Successfully login into the system as an admin	P
	2	Click the edit button for SSQ-P or SSQ-CH	
	3	The web displayed the page for editing the questionnaire	
37.02	1	Successfully login into the system as an admin	P
	2	Click the edit button for SSQ-P or SSQ-CH	
	3	The web displayed the page for editing the questionnaire	
	4	Click the 'delete' button to delete a question	
	5	The question will be removed	
37.03	1	Successfully login into the system as an admin	P
	2	Click the edit button for SSQ-P or SSQ-CH	
	3	The web displayed the page for editing the questionnaire	
	4	Click the 'delete' button to delete a question	
	5	The question will be removed	
	6	Click the 'Save' button to save the changes	
	7	The questionnaire will be updated and published.	
37.04	1	Successfully login into the system as an admin	P
	2	Click the edit button for SSQ-P or SSQ-CH	
	3	The web displayed the page for editing the questionnaire	
	4	Click the 'delete' button to delete a question	
	5	The question will be removed	
	6	Click the 'Cancel' button to cancel the changes	
	7	The delete action will not be saved, and the questionnaire without any changes	
38.01	1	Successfully login into the system as an admin	P
	2	Click the edit button for SSQ-P or SSQ-CH	
	3	The web displayed the page for editing the questionnaire	
	4	Edit the questionnaire	
	5	Click the 'Save' button	
	6	The changes will be saved, and the questionnaire has been updated.	
38.02	1	Successfully login into the system as an admin	P

Test ID	Steps	Steps Description	Test Result
	2	Click the edit button for SSQ-P or SSQ-CH	
	3	The web displayed the page for editing the questionnaire	
	4	Edit the questionnaire	
	5	Click the 'Cancel' button	
	6	The changes will be canceled, nothing in this questionnaire will be changed.	
13.01	1	Login into the system as a clinician	P
	2	Share selected sections of the questionnaire to the patients	
	3	The patient completes the questionnaire	
	4	A report will be sent to the clinician's email	
13.02	1	Login into the system as a clinician	P
	2	Share selected sections of the questionnaire to the patients	
	3	The patient completes the questionnaire	
	4	A report will be sent to the clinician's email	
14.01	1	The patient has completed the questionnaire	P
	2	A report will be sent to the clinician's email	
	3	The clinician can see identifying information of the patient in the report	
15.01	1	The patient has completed the questionnaire	P
	2	A report will be sent to the clinician's email	
	3	The clinician can see an average score for the section of the questionnaire that has been completed	
16.01	1	The patient has completed the questionnaire	P
	2	A report will be sent to the clinician's email	
	3	The questions will be ordered based on their level of importance followed by the frequency which each scenario occurs	
18.01	1	The patient has completed the questionnaire	P
	2	Choose the format of the report	
18.02	1	The patient has completed the questionnaire	P
	2	Choose the format of the report	
	3	A report will be sent to the clinician's email	
18.03	1	The patient has completed the questionnaire	P
	2	Choose the format of the report	

Test ID	Steps	Steps Description	Test Result
	3	A report will be sent to the clinician's email	
162.01	1	Login into the system as a clinician.	P
	2	View the questionnaire list	
	3	Can only see the standard questionnaires and the questionnaires that was create by the user self	
149.01	1	Login into the system as a clinician	P
	2	Click the COPY button for a questionnaire I want to copy	
	3	A new questionnaire has been created based on the one I choose	
149.02	1	Copy the questionnaire	P
	2	Login into the system as a clinician	
	3	Create a new questionnaire	
	4	Paste the questionnaire into this new created questionnaire	
100.01	1	Login into the system as a clinician	F
	2	When doing a question and want to add a comment	
	3	Click a button and attach my comments	
39.01	1	Patient or clinician has done the questionnaire	P
	2	View the report sent to clinician email	
	3	Can view the average score for each sub-scale of the questionnaire that has been completed	
41.01	1	Patient or clinician has done the questionnaire	F
	2	Make rank by “performance” of the questions	
	3	The questions in the report will be ordered based on their level of performance rating	
17.01	1	Patient or clinician has done the questionnaire	F
	2	View the report sent to clinician email	
	3	Can see any comments which were written by clinicians for each hearing scenario that was answered	
164.01	1	Login into the system as an admin	P
	2	Can see the organisations that signed up to my system	
164.02	1	Login into the system as an admin	P
	2	Can see the clinicians from each organisations that signed up to my system	

• User Acceptance Test Sprint 4

	Acceptance Tests
Number of Test Cases Passed	58
Number of Test Cases Executed	0

Test ID	Steps	Steps Description	Test Result
28.01	1	On the SSQ website.	P
	2	Click the 'clinician' tab.	
	3	Click the signup button.	
	4	Enter a valid email address and password and click on the 'Signup' button.	
29.01	1	On the SSQ website.	P
	2	Click the 'clinician' tab.	
	3	Enter the correct email and password.	
	4	Click on the login button.	
	5	Login successfully as a clinician.	
29.02	1	On the SSQ website.	P
	2	Click the 'clinician' tab.	
	3	EnterÂ the wrong combination of email and password.	
	4	Click on the login button.	
	5	An error message that says 'Wrong email or password' will be displayed.	
30.01	1	On the SSQ website.	P
	2	Click the 'admin' tab.	
	3	Enter the correct email and password.	
	4	Click on the login button.	
	5	Login successfully as an admin.	
30.02	1	On the SSQ website.	P
	2	Click the 'admin' tab.	
	3	EnterÂ the wrong combination of email and password.	
	4	Click on the login button.	

Test ID	Steps	Steps Description	Test Result
	5	An error message that says 'Wrong email or password' will be displayed.	
2.01	1	Successfully login into the system as a clinician.	P
	2	Click on the relevant questionnaire and see the sections of the questionnaire.	
	3	Click on the section of the questionnaire users would like to conduct.	
	4	The website will direct to the section of the questionnaire.	
2.02	1	Successfully login into the system as a clinician.	P
	2	Begin the section of the questionnaire.	
	3	Required to fill in details of the patients before users begin.	
2.03	1	Successfully login into the system as a clinician.	P
	2	Conducting the questionnaire.	
	3	Click on the add comment button and add relevant comments.	
2.04	1	Successfully login into the system as a clinician.	P
	2	Completed the relevant section of the questionnaire.	
	3	Click on the complete button.	
	4	The website will allow users to select the format users would like and the website will email the results.	
2.05	1	Successfully login into the system as a clinician.	P
	2	Click on a section of the questionnaire.	
	3	Click on the back button.	
	4	Users would be redirected to the questionnaire main page to reselect another section.	
31.01	1	Successfully login into the system as a clinician.	P
	2	Click 'Questionnaire' button.	
	3	Click the 'Share' button for the questionnaire the user gonna use.	
	4	Enter the patient's email address.	
	5	A view-only public URL will be sent to the email just entered.	
31.02	1	Successfully login into the system as a clinician.	P
	2	Click 'Questionnaire' button.	
	3	Click the 'Share' button for the questionnaire the user gonna use.	
	4	Enter the patient's email address.	
	5	A view-only public URL will be sent to the email just entered.	

Test ID	Steps	Steps Description	Test Result
31.03	6	Patients click the URL in that email.	P
	7	Patients can view the questionnaire.	
	1	Successfully login into the system as a clinician.	
	2	Click 'Questionnaire' button.	
	3	Click the "Share" button for the questionnaire the user gonna use.	
	4	Enter the patient's email address.	
	5	A view-only public URL will be sent to the email just entered.	
	6	Patients click the URL in that email.	
	7	Patients conduct the relevant sections of the questionnaire.	
	8	Click the complete button.	
	9	The system will send the results to the clinician's email.	
32.01	1	Successfully login into the system as a clinician.	P
	2	Click the share button.	
	3	Enter the patient's email address.	
	4	A public URL will be sent to the email just entered.	
	5	Click the URL in that email.	
	6	Patients can conduct the questionnaire.	
32.02	1	Successfully login into the system as a clinician.	P
	2	Click the share button.	
	3	Enter the patient's email address.	
	4	A public URL will be sent to the email just entered.	
	5	Click the URL in that email.	
	6	Patients conduct the relevant sections of the questionnaire.	
	7	Click the complete button.	
	8	The system will send the results to the clinician's email.	
3.01	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire want to view.	
	4	The questionnaire will be displayed for users to view.	
7.01	1	Successfully login into the system as a clinician.	P

Test ID	Steps	Steps Description	Test Result
	2	Click the Questionnaire button on the sidebar.	
	3	Click on 'Add New' button on the Questionnaire home page.	
	4	A new questionnaire called 'New custom questionnaire' will appear under 'My Customised Questionnaires'.	
7.02	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to rename.	
	4	Click 'Edit' button.	
	5	It will redirect users to the edit questionnaire page and users can edit the title and description of the questionnaire.	
10.01	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to delete.	
	4	Click on the 'Delete' button.	
	5	The questionnaire will be deleted.	
8.01	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
	4	Click 'Edit' button.	
	5	It will redirect users to the edit questionnaire page.	
8.02	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
	4	Click 'Edit' button.	
	5	It will redirect users to the edit questionnaire page.	
	6	Click 'Add New Question'.	
	7	A new question template will be generated.	
8.03	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
	4	Click 'Edit' button.	

Test ID	Steps	Steps Description	Test Result
	5	It will redirect users to the edit questionnaire page.	
	6	Click 'RANGE QUESTION' button.	
	7	A sliding bar will appear beneath the question.	
8.04	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
	4	Click 'Edit' button.	
	5	It will redirect users to the edit questionnaire page.	
	6	Click on the 'MULTIPLE CHOICE QUESTION' button.	
	7	A button with '+' sign will appear and users can add multiple options for the answer.	
8.05	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
	4	Click 'Edit' button.	
	5	It will redirect users to the edit questionnaire page.	
	6	Finished adding questions toÂ users questionnaire	
	7	Click save button for the questionnaire.	
	8	The questionnaire will be saved and users will be redirected to the 'Questionnaires' home page.	
8.06	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
	4	Click 'Edit' button.	
	5	It will redirectÂ users to the edit questionnaire page.	
	6	Finished adding questions toÂ users questionnaire	
	7	Click cancel button on the questionnaire page	
	8	The new questions added will not be saved and the questionnaire will revert to the older versionÂ and users will be redirected to the 'Questionnaires' home page.	
9.01	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	

Test ID	Steps	Steps Description	Test Result
	4	Click 'Edit' button.	
	5	It will redirect users to the edit questionnaire page for the customised questionnaire of interest.	
9.02	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
	4	Click 'Edit' button.	
	5	It will redirect users to the edit questionnaire page for the customized questionnaire of interest.	
	6	Click 'REMOVE' for a question.	
	7	The question will be removed.	
9.03	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
	4	Click 'Edit' button.	
	5	It will redirect users to the edit questionnaire page for the customized questionnaire of interest.	
	6	Have finished removing questions from the questionnaire.	
	7	Click save button for the questionnaire.	
	8	The questionnaire will be published and the deleted questions will be removed from the questionnaire and users will be redirected to the 'Questionnaires' home page.	
9.04	1	Successfully login into the system as a clinician.	P
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
	4	Click 'Edit' button.	
	5	It will redirect users to the edit questionnaire page for the customized questionnaire of interest.	
	6	Have finished removing questions from the questionnaire.	
	7	Click cancel button on the questionnaire page.	
	8	The deleted questions will no longer be removed and the questionnaire will revert to the older version and users will be redirected to the 'Questionnaires' home page.	
99.01	1	Clinician at the signup Page	P
	2	Enter the signup information	

Test ID	Steps	Steps Description	Test Result
35.01	3	Click the signup button	P
	4	The system displays the clinician has signed up successfully	
	1	Successfully login into the system as a clinician.	
	2	Click the Questionnaire button on the sidebar.	
	3	Click the questionnaire users want to edit.	
	4	Click 'Edit' button.	
	5	Edit the questionnaire	
	6	Click the 'Save' button	
	7	Click 'Yes' button	
	8	The questionnaire has been saved and the changes can be viewed by all other clinicians	
36.01	1	Successfully login into the system as an admin	P
	2	Click the edit button for SSQ-P or SSQ-CH	
	3	The web displayed the page for editing the questionnaire	
36.02	1	Successfully login into the system as an admin	P
	2	Click the edit button for SSQ-P or SSQ-CH	
	3	The web displayed the page for editing the questionnaire	
	4	Click 'add' button to add a section	
	5	A section has been added into the questionnaire	
36.03	1	Successfully login into the system as an admin	P
	2	Click the edit button for SSQ-P or SSQ-CH	
	3	The web displayed the page for editing the questionnaire	
	4	Add a question in this questionnaire	
	5	Click the 'Save' button to save the changes	
	6	The newly added question has been saved, and the updated questionnaire can be viewed by all clinicians	
36.04	1	Successfully login into the system as an admin	P
	2	Click the edit button for SSQ-P or SSQ-CH	
	3	The web displayed the page for editing the questionnaire	
	4	Add a question in this questionnaire	
	5	Click the 'Cancel' button to cancel the changes	

Test ID	Steps	Steps Description	Test Result
	6	The newly added question will not be saved	
37.01	1	Successfully login into the system as an admin	P
	2	Click the edit button for SSQ-P or SSQ-CH	
	3	The web displayed the page for editing the questionnaire	
37.02	1	Successfully login into the system as an admin	P
	2	Click the edit button for SSQ-P or SSQ-CH	
	3	The web displayed the page for editing the questionnaire	
	4	Click the 'delete' button to delete a question	
	5	The question will be removed	
37.03	1	Successfully login into the system as an admin	P
	2	Click the edit button for SSQ-P or SSQ-CH	
	3	The web displayed the page for editing the questionnaire	
	4	Click the 'delete' button to delete a question	
	5	The question will be removed	
	6	Click the 'Save' button to save the changes	
	7	The questionnaire will be updated and published.	
37.04	1	Successfully login into the system as an admin	P
	2	Click the edit button for SSQ-P or SSQ-CH	
	3	The web displayed the page for editing the questionnaire	
	4	Click the 'delete' button to delete a question	
	5	The question will be removed	
	6	Click the 'Cancel' button to cancel the changes	
	7	The delete action will not be saved, and the questionnaire without any changes	
38.01	1	Successfully login into the system as an admin	P
	2	Click the edit button for SSQ-P or SSQ-CH	
	3	The web displayed the page for editing the questionnaire	
	4	Edit the questionnaire	
	5	Click the 'Save' button	
	6	The changes will be saved, and the questionnaire has been updated.	
38.02	1	Successfully login into the system as an admin	P

Test ID	Steps	Steps Description	Test Result
	2	Click the edit button for SSQ-P or SSQ-CH	
	3	The web displayed the page for editing the questionnaire	
	4	Edit the questionnaire	
	5	Click the 'Cancel' button	
	6	The changes will be canceled, nothing in this questionnaire will be changed.	
13.01	1	Login into the system as a clinician	P
	2	Share selected sections of the questionnaire to the patients	
	3	The patient completes the questionnaire	
	4	A report will be sent to the clinician's email	
13.02	1	Login into the system as a clinician	P
	2	Share selected sections of the questionnaire to the patients	
	3	The patient completes the questionnaire	
	4	A report will be sent to the clinician's email	
14.01	1	The patient has completed the questionnaire	P
	2	A report will be sent to the clinician's email	
	3	The clinician can see identifying information of the patient in the report	
15.01	1	The patient has completed the questionnaire	P
	2	A report will be sent to the clinician's email	
	3	The clinician can see an average score for the section of the questionnaire that has been completed	
16.01	1	The patient has completed the questionnaire	P
	2	A report will be sent to the clinician's email	
	3	The questions will be ordered based on their level of importance followed by the frequency which each scenario occurs	
18.01	1	The patient has completed the questionnaire	P
	2	Choose the format of the report	
18.02	1	The patient has completed the questionnaire	P
	2	Choose the format of the report	
	3	A report will be sent to the clinician's email	
18.03	1	The patient has completed the questionnaire	P
	2	Choose the format of the report	

Test ID	Steps	Steps Description	Test Result
	3	A report will be sent to the clinician's email	
162.01	1	Login into the system as a clinician.	P
	2	View the questionnaire list	
	3	Can only see the standard questionnaires and the questionnaires that was create by the user self	
149.01	1	Login into the system as a clinician	P
	2	Click the COPY button for a questionnaire I want to copy	
	3	A new questionnaire has been created based on the one I choose	
149.02	1	Copy the questionnaire	P
	2	Login into the system as a clinician	
	3	Create a new questionnaire	
	4	Paste the questionnaire into this new created questionnaire	
100.01	1	Login into the system as a clinician	P
	2	When doing a question and want to add a comment	
	3	Click a button and attach my comments	
39.01	1	Patient or clinician has done the questionnaire	P
	2	View the report sent to clinician email	
	3	Can view the average score for each sub-scale of the questionnaire that has been completed	
41.01	1	Patient or clinician has done the questionnaire	P
	2	Make rank by “performance” of the questions	
	3	The questions in the report will be ordered based on their level of performance rating	
17.01	1	Patient or clinician has done the questionnaire	P
	2	View the report sent to clinician email	
	3	Can see any comments which were written by clinicians for each hearing scenario that was answered	
164.01	1	Login into the system as an admin	P
	2	Can see the organisations that signed up to my system	
164.02	1	Login into the system as an admin	P
	2	Can see the clinicians from each organisations that signed up to my system	