Manual Acceptance Tests

Prior to testing, the test fixtures should be loaded. This ensures validity and creates an expected initial state of the application. See the project README. All tests are presented as follows:

User:

Module:

Before each:

Test Scenario	ID	Test case	Test steps	Pre Conditions	Expected result(s)	Status	Actual Result

KEY:

User: The expected user of the module. This could be an instructor, student or both.	Test case: The aspect of the feature under test.		
Module: The page or aspect of the system under test.	Test steps: The steps needed to reproduce the test.		
Before each: Requisites of all tests in the module.	Pre conditions: IDs of other tests required to pass before conducting the test		
Test scenario: The feature under test.	Expected result(s): The expected output of the test		
ID: The test ID	Status: PASS or FAIL		
Actual Result: The difference between the Expected Result(s) and the output of the test. (Expected) means all Expected Result(s) present.			

User: Student

Module: Student Courses Page Dashboard

Before each:

1. Login using 'test@student.gla.ac.uk' and 'password'.

2. Navigate to '/courses'.

Test Scenario	ID	Test case	Test steps	Pre Conditions	Expected result(s)	Status	Actual Result
Verify Breadcrumbs	SC1	View breadcrumbs	View 'breadcrumb' interface at top of page.		1. Displays 'Courses' with no active link.	PASS	(expected)
Verify Courses Table	SC2	View course information	1. View 'My Courses'.		 Displays course information as in Table 1. Displays no other entries. Default order by start date, earliest first. 	PASS	(expected)
	SC3	Click course link	 View 'My Courses'. Click 'COMPSCI202- Course Two'. 		Redirects to 'courses/COMPSCI202/2/1234567'.	PASS	(expected)
	SC4	Reorder columns	 View 'My Courses'. Click each column header twice. 		 Orders table by values in column clicked. Clicking again changes the order (e.g. ascending -> descending) Dates in date-order. Other values in alpha-order. 	PASS	(expected)
Verify Recent Pending Lab Surveys Table	SC5	View recent pending lab surveys	View 'Recent pending lab surveys'.		 Display identical to Table 2. Displays no other entries. Default order by date, latest first. 	PASS	(expected)
	SC6	Click lab survey link	 View 'Recent pending lab surveys'. Click 'Lab 9'. 		1. Redirects to 'courses/COMPSCI101/1/lab/lab-9/1234567/survey/1'.	PASS	(expected)

	SC7	Reorder columns	 View 'Recent pending lab surveys'. Click each column header twice 	 Orders table by values in column clicked. Clicking again changes the order (e.g. ascending -> descending) Dates in date-order. Other values in alpha-order.
Verify documentation	SC8	View welcome message	View 'Check In' welcome message	Information is directed toward students. PASS (expected)
	SC9	Tooltips	View 'Check In' welcome message Hover mouse over blue text	A popup message is displayed giving additional information regarding the term. PASS (expected)
	SC10	Click explain this page	 Click 'Explain this page' button. Click 'next' on each statement Click 'finish' on last statement 	Documentation matches the highlighted regions. Return to top of page on completion. PASS (expected)

Start	End	Name	Support Status
21/09/2020	04/12/2020	COMPSCI101-Course One	None
11/01/2020	26/03/2021	COMPSCI202-Course Two	None

Date	Course	Lab
20/11/2020	Course One	Lab 9
19/11/2020	Course One	Lab 8

18/11/2020	Course One	Lab 7
17/11/2020	Course One	Lab 6
16/11/2020	Course One	Lab 5

Module: Instructor Courses Page Dashboard

Before each:

1. Login using 'test@glasgow.ac.uk' and 'password'.

2. Navigate to '/courses'.

Test Scenario	ID	Test case	Test steps	Pre conditions	Expected result(s)	Status	Actual Result
Verify Breadcrumbs	IC1	View breadcrumbs	View 'breadcrumb' interface at top of page.		1. Displays 'Courses' with no active link.	PASS	(expected)
Verify Courses Table	IC2	View course information	1. View 'My Courses'.		 Displays course information as in Table 1. Displays no other entries. Default order by start date, earliest first. 	PASS	(expected)
	IC3	Click course link	 View 'My Courses'. Click 'COMPSCI202- Course Two'. 		1. Redirects to '/courses/COMPSCI202/2'	PASS	(expected)
	IC4	Reorder columns	 View 'My Courses'. Click each column header twice. 		 Orders table by values in column clicked. Clicking again changes the order (e.g. ascending -> descending) Dates in date-order. Other values in alpha-order. 	PASS	(expected)
Verify Recent Labs Table	IC5	View recent pending lab surveys	1. View 'Recent Labs'.		 Display identical to Table 2 Displays no other entries. Default order by date, latest first. 	PASS	(expected)
	IC6	Click lab survey link	 View 'Recent Labs'. Click 'Lab 9'. 		Redirects to 'courses/COMPSCI101/1/lab/lab-9'.	PASS	(expected)

	IC7	Reorder columns	 View 'Recent Labs'. Click each column header twice 	 Orders table by values in column clicked. Clicking again changes the order (e.g. ascending -> descending) Dates in date-order. Other values in alpha-order. 	(expected)
Verify documentation	IC8	View welcome message	View 'Check In' welcome message	Information is directed toward instructors. PASS	(expected)
	IC9	Tooltips	View 'Check In' welcome message Hover mouse over blue text	A popup message is displayed giving additional information regarding the term. PASS	(expected)
	IC10	Click explain this page	 Click 'Explain this page' button. Click 'next' on each statement Click 'finish' on last statement 	Documentation matches the highlighted regions. Return to top of page on completion. PASS	(expected)

Start	End	Name
21/09/20	04/12/20	COMPSCI101-Course One
11/01/21	26/03/21	COMPSCI202-Course Two

Date	Course	Lab
20/11/20	Course One	Lab 9
19/11/20	Course One	Lab 8

18/11/20	Course One	Lab 7
17/11/20	Course One	Lab 6
16/11/20	Course One	Lab 5

User: Student

Module: Student Course Summary Dashboard

Before each:

1. Login using 'test@student.gla.ac.uk and 'password'.

Test Scenario	ID	Test case	Test steps	Pre condition	Expected result(s)	Status	Actual Result
Verify Breadcrumbs	SCS1	View breadcrumbs	 Navigate to 'courses/COMPSCI101/1/1234567'. View 'breadcrumb' interface at top of page. 		 Displays 'Courses / COMPSCI101 – 1 / 1234567 – Student Test'. Only 'Courses' is a valid link. 	PASS	(expected)
	SCS2	Breadcrumb links functioning	 Navigate to 'courses/COMPSCI101/1/1234567'. View 'breadcrumb' interface at top of page. Click 'Courses'. 		'Courses' redirects to courses home page.	PASS	(expected)
Verify Pending Lab Surveys	SCS3	Pending lab survey table displays incomplete surveys up to current date	 Navigate to 'courses/COMPSCI101/1/1234567'. View 'Pending Lab Surveys'. 		 Displays lab information in Table 5. Displays no other lab surveys. Default order by date, latest first. 	FAIL	Order is earliest first. All else as expected.
	SCS4	Survey button navigates to survey	 Navigate to 'courses/COMPSCI101/1/1234567'. View 'Pending Lab Surveys' Click 'Complete Survey' in Lab 8 row. 		1. Redirects to 'courses/COMPSCI101/lab/lab-8/1234567/survey/1'.	PASS	(expected)
	SCS5	No labs message if no pending labs to complete.	 Navigate to 'courses/COMPSCI202/2/1234567'. View 'Pending Lab Surveys'. 		Displays 'No pending labs to complete'.	PASS	(expected)

	SCS6	Reorder columns	 Navigate to 'courses/COMPSCI101/1/1234567'. View 'Pending Lab Surveys'. Click each column header twice. 	 Orders table by values in column clicked. Clicking again changes the order (e.g. ascending -> descending) Dates in date-order. Times in time-order. Other values in alpha-order. 	FAIL	Does not sort correctly by time order. All else as expected.
Verify Completed Lab Surveys	SCS7	Completed lab surveys displayed	 Navigate to 'courses/COMPSCI101/1/1234567' View 'Completed Lab Surveys' 	 Displays lab information in Table 6. Displays no other lab surveys. Default order by date, earliest first. 	PASS	(expected)
	SCS8	No labs message if no pending labs to complete	 Navigate to 'courses/COMPSCI202/2/1234567' View 'Completed Lab Surveys' 	Displays 'No lab surveys completed'	FAIL	Displays 'No pending labs to complete'
	SCS9	Reorder columns	 Navigate to 'courses/COMPSCI101/1/1234567' View 'Completed Lab Surveys'. Click each column header twice. 	 Orders table by values in column clicked. Clicking again changes the order (e.g. ascending -> descending) Dates in date-order. Times in time-order. Other values in alpha-order. 	PASS	(expected)
Verify documentation	SCS10	Click explain this page	 Navigate to 'courses/COMPSCI101/1/1234567' Click 'Explain this page' button. Click 'next' on each statement Click 'finish' on last statement 	 Documentation matches the highlighted regions. Return to top of page on completion. 	PASS	(expected)

Verify instructor list	SCS11	Correct instructors present	1. 2.	Navigate to 'courses/COMPSCI101/1/1234567'. View 'Course Instructors'.	1.	Displays 'Instructor COMPSCI101' and 'Instructor Test'.	PASS	(expected)
	SCS12	Message button emails instructor	1. 2. 3.	Navigate to 'courses/COMPSCI101/1/1234567'. View 'Course Instructors'. Click 'message' next to 'Instructor COMPSCI101'	1. 2.	Native email application opens. Recipient marked as 'I1@test.com'.	PASS	(expected)

Lab Name	Date	Start Time
Lab 9	20/11/20	13:00
Lab 8	19/11/20	09:00
Lab 7	18/11/20	13:00
Lab 6	17/11/20	09:00
Lab 5	16/11/20	13:00
Lab 4	15/11/20	09:00
Lab 3	14/11/20	13:00
Lab 2	13/11/20	09:00

Lab Name	Date	Start Time	Responses	Risk Factor
Lab 1	12/11/20	13:00	[1][2][3]	25%

Module: Student Course Summary Dashboard

Before each:

2. Login using 'test@student.gla.ac.uk' and 'password'.

Test Scenario	ID	Test case	Test steps	Pre conditions	Expected result(s)	Status	Actual Result
Verify Breadcrumbs	SCI1	View breadcrumbs	 Navigate to 'courses/COMPSCI101/1/1234567'. View 'breadcrumb' interface at top of page. 		 Displays 'Courses / COMPSCI101 – 1 / 1234567 – Test Student'. 'COMPSCI101- 1' is a valid link. 'Courses' is a valid link. 	PASS	(expected)
	SCI2	Breadcrumb links functioning	 Navigate to 'courses/COMPSCI101/1/1234567'. View 'breadcrumb' interface at top of page. Click 'Courses'. Navigate to 'courses/COMPSCI101/1/1234567'. View 'breadcrumb' interface at top of page. Click 'COMPSCI101-1'. 		 'Courses' redirects to '/courses'. 'COMPSCI101 – 1' redirects to '/courses/COMPSCI101/1'. 	PASS	(expected)
Verify Pending Lab Surveys	SCI3	Pending lab survey table displays incomplete surveys up to current date	 Navigate to 'courses/COMPSCI101/1/1234567'. View 'Pending Lab Surveys'. 		 Displays lab information in Table 7. Displays no other lab surveys. Default order by date, latest first. 	FAIL	Order is earliest first. All else as expected.
	SCI4	Instructor cannot navigate to survey.	 Navigate to 'courses/COMPSCI101/1/1234567'. View 'Pending Lab Surveys'. 		No button to navigate to lab survey exists.	PASS	(expected)

	SCI5	No labs message if no pending labs to complete.	 Navigate to 'courses/COMPSCI202/2/1234567' View 'Pending Lab Surveys' 	Displays 'No pending labs to complete'.	PASS	(expected)
	SCI6	Reorder columns	 Navigate to 'courses/COMPSCI101/1/1234567' View 'Pending Lab Surveys'. Click each column header twice. 	 Orders table by values in column clicked. Clicking again changes the order (e.g. ascending -> descending). Dates in date-order. Times in time-order. Other values in alpha-order. 	FAIL	Does not sort correctly by time order. All else as expected.
Verify Completed Lab Surveys	SCI7	Completed lab surveys displayed.	 Navigate to 'courses/COMPSCI101/1/1234567'. View 'Completed Lab Surveys'. 	 Displays lab information in Table 8 Displays no other lab surveys Default order by date, earliest first. 	PASS	(expected)
	SCI8	No labs message if no pending labs to complete.	 Navigate to 'courses/COMPSCI202/2/1234567' View 'Completed Lab Surveys' 	Displays 'No lab surveys completed'.	FAIL	Displays 'No pending labs to complete'
	SCI9	Reorder columns	 Navigate to 'courses/COMPSCI101/1/1234567'. View 'Completed Lab Surveys'. Click each column header twice. 	 Orders table by values in column clicked. Clicking again changes the order (e.g. ascending -> descending) Dates in date-order. Times in time-order. Other values in alpha-order. 	PASS	(expected)
Verify documentation	SCI10	Click explain this page	 Navigate to 'courses/COMPSCI101/1/1234567'. Click 'Explain this page' button. 	Documentation matches the highlighted regions.	PASS	(expected)

			 Click 'next' on each statement. Click 'finish' on last statement. Return to top of page on completion. 		
Verify instructor list	SCI11	Correct instructors present	 Navigate to 'courses/COMPSCI101/1/1234567'. View 'Course Instructors'. Displays 'Instructor COMPSCI101' and 'Instructor Test'. 	PASS	(expected)
	SCI12	Message button emails instructor	 Navigate to 'courses/COMPSCI101/1/1234567'. View 'Course Instructors'. Click 'message' next to 'Instructor COMPSCI101'. Native email application opens. Recipient marked as 'I1@test.com'. 	PASS	(expected)

Lab Name	Date	Start Time
Lab 9	20/11/20	13:00
Lab 8	19/11/20	09:00
Lab 7	18/11/20	13:00
Lab 6	17/11/20	09:00
Lab 5	16/11/20	13:00
Lab 4	15/11/20	09:00
Lab 3	14/11/20	13:00
Lab 2	13/11/20	09:00

Lab Name	Date	Start Time	Responses	Risk Factor
Lab 1	12/11/2020	13:00	[1][2][3]	25%

Module: Course Summary Dashboard

Before each:

1. Login using 'test@glasgow.ac.uk' and 'password'.

Test Scenario	ID	Test case	Test steps	Pre condition	Expected result(s)	Status	Actual Result
Verify Breadcrumbs	CS1	View breadcrumbs	 Navigate to 'courses/COMPSCI101/1'. View 'breadcrumb' interface at top of page. 		 Displays 'Courses / COMPSCI101 – 1'. 'COMPSCI101- 1' is not a link 'Courses' is a valid link 	PASS	(expected)
	CS2	Breadcrumb links functioning	 Navigate to 'courses/COMPSCI101/1'. View 'breadcrumb' interface at top of page. Click 'Courses'. 		1. 'Courses' redirects to '/courses'	PASS	(expected)
Verify Students Table	CS3	No students shown when none are at risk	 Navigate to 'courses/COMPSCI101/1'. View 'Students'. 		1. Table is empty.	PASS	(Expected)
	CS4	Students needing support filter works	 Navigate to 'courses/COMPSCI101/1'. View 'Students'. Uncheck the 'Show only students needing support' box. Check again. 		 Table displays '1234567 – Student Test' and '2345678 – Student CS101Term1' when box is checked No other students present. Reverts when unchecked. 	PASS	(Expected)
	CS5	Student link works	Click '1234567 – Student test' in 'Students' table.	CS4	1. Redirects to 'courses/COMPSCI101/1/1234567'	PASS	(Expected)

	CS6	Reorder columns	 Navigate to 'courses/COMPSCI101/1'. View 'Students'. Click each column header twice. 		 Orders table by values in column clicked. Clicking again changes the order (e.g. ascending -> descending). Values in alpha-order. 	PASS	(Expected)
Verify Labs Table	CS7	All course labs displayed	 Navigate to 'courses/COMPSCI101/1'. View 'Labs'. 		 Displays lab information in Table 9 Displays no other lab surveys Default order by date, earliest first. 	PASS	(Expected)
	CS8	Lab link works	1. Click 'Lab 1' in 'Labs' table.	CS7	1. Redirects to 'courses/COMPSCI101/1/labs/lab-1'.	PASS	(Expected)
	CS9	Show only open labs filter works	 Navigate to 'courses/COMPSCI101/1'. View 'Labs'. Uncheck the 'Show only open labs' box. 	CS7	 'Lab 10' row is removed when box is checked. Reverts when unchecked. 	PASS	(Expected)
	CS11	Reorder columns	 Navigate to 'courses/COMPSCI101/1' View 'Labs'. Click each column header twice. 		 Orders table by values in column clicked. Clicking again changes the order (e.g. ascending -> descending) Dates in date-order. Times in time-order. Other values in alpha-order. 	FAIL	Does not sort correctly by time order. All else as expected.
Verify documentation	CS12	Click explain this page	 Navigate to 'courses/COMPSCI101/1'. Click 'Explain this page' button. Click 'next' on each statement Click 'finish' on last statement 		 Documentation matches the highlighted regions. Return to top of page on completion. 	PASS	(Expected)
Verify instructor list	CS13	Correct instructors present	Navigate to 'courses/COMPSCI101/1		Displays 'Instructor COMPSCI101' and 'Instructor Test'.	PASS	(Expected)

		2.	View 'Course Instructors'.				
CS	Message button emails instructor	1. 2. 3.	Navigate to 'courses/COMPSCI101/1 View 'Course Instructors'. Click 'message' next to 'Instructor COMPSCI101'	1. 2.	Native email application opens. Recipient marked as '11@test.com'	PASS	(Expected)

Lab Name	Date	Start Time	Status
Lab 1	12/11/20	01:00	Open
Lab 2	13/11/20	09:00	Open
Lab 3	14/11/20	01:00	Open
Lab 4	15/11/20	09:00	Open
Lab 5	16/11/20	01:00	Open
Lab 6	17/11/20	09:00	Open
Lab 7	18/11/20	01:00	Open
Lab 8	19/11/20	09:00	Open
Lab 9	20/11/20	01:00	Open
Lab 10	21/11/20	09:00	Inactive

Module: Lab Summary Dashboard

Test Scenario	ID	Test case	Test steps	Pre condition	Expected result(s)	Status	Actual Result	
Verify Breadcrumbs	LS1	View breadcrumbs	'courses/COMPSCI101/1/lab/lab-1'. 2. View 'breadcrumb' interface at top of page.	'courses/COMPSCI101/1/lab/lab-1'. 2. View 'breadcrumb' interface at top of		 Displays 'Courses / COMPSCI101 – 1 / Lab 1'. 'Lab 1' is not a valid link. 'COMPSCI101- 1' is a valid link. 'Courses' is a valid link 	PASS	(Expected)
	LS2	Breadcrumb links functioning	 Navigate to 'courses/COMPSCI101/1/lab/lab-1'. View 'breadcrumb' interface at top of page. Click 'Courses'. Click 'COMPSCI101 – 1'. 		 'Courses' redirects to '/courses'. 'COMPSCI101- 1' redirects to '/courses/COMPSCI101/1'. 	PASS	(Expected)	
Verify Student Responses Table	LS3	Student responses are displayed correctly	 Navigate to 'courses/COMPSCI101/1/lab/lab-1'. View 'Student Responses'. 		1. Table is the same as Table 10.	PASS	(Expected)	
	LS4	No students shown when no responses given.	 Navigate to 'courses/COMPSCI101/1/lab/lab-2' View 'Student Responses' 		 No table is shown. 'No responses received' message is shown. 	PASS	(Expected)	
	LS5	Student link functions correctly	 Navigate to 'courses/COMPSCI101/1/lab/lab-1'. View 'Student Responses'. Click '1234567 – Student Test'. 		1. Redirects to 'courses/COMPSCI101/1/1234567'	PASS	(Expected)	
	LS6	Reorder columns	 Navigate to 'courses/COMPSCI101/1/lab/lab-1' View 'Student Responses' Click each column header twice. 		 Orders table by values in column clicked. Clicking again changes the order (e.g. ascending -> descending) 	PASS	(Expected)	

				3. 4.	Risk factor sorted by numeric value. Other values in alpha-order.		
Verify XY Question Response Display	LS7	Question information is correct	 Navigate to 'courses/COMPSCI101/1/lab/lab-1'. View 'XY Question Responses'. 	1. 2. 3.	Three XY grids are shown. The first is titled 'interest- difficulty', labelled 'easy' at the top, 'hard' at the bottom, 'interesting' on the right, 'boring' on the left. The second is titled 'planning- familiarity', labelled 'familiar' at the top, 'unfamiliar' at the bottom, 'easy to plan' on the right, 'unable to plan' on the left.	PASS	(Expected)
	LS8	Student responses are displayed correctly, with stacked responses for shared coordinates.		1. 2. 3.	Grid 1 shows responses at (-10, -10) and (-9, -9). Grid 2 shows a response at (0, 0) with the label '2'. Grid 3 shows responses at (-10, -10), (9, 9)	PASS	(Expected)
	LS9	Danger zones are displayed correctly.		1.	Grid 1 shows the bottom left region as red. The regions above and to the right of the bottom left region are coloured yellow.	PASS	(Expected)

Student	Responses	Risk Factor
2345678 – Student CS101Term1	[1][2][3]	50%
1234567 – Student Test	[1][2][3]	25%

User: Student / Instructor
Module: Early Warning System

Test Scenario	ID	Test case	Test steps	Pre	Expecte	d result(s)	Status	Actual
				condition				Result
Risk Factor	EWS1	Survey responses	1. Login as student.		1.	Risk factor for 'Lab 2' is empty.	PASS	(Expected)
Calculation		with no risk factor.	 Navigate to 'courses/COMPSCI101/1/lab/lab- 2/1234567/survey/1' Respond to all XY questions at coordinate 9,9 (top-right). Respond to journal question with 'Everything is excellent.' 		2.	No responses to 'Lab 2' are coloured.		
			5. Follow redirect to '/courses/COMPSCI7081/1/1234567'					
	EWS2	Survey responses with risk factor	 Login as student. Navigate to 'courses/COMPSSCI101/1/lab/lab- 3/1234567/survey/1'. Respond to first XY question at coordinate -10,-10. (DANGER zone) Respond to second XY question at coordinate -10,-4. (WARNING zone) Respond to third XY question at coordinate 9,9. Skip sentiment question. Navigate to '/courses/COMPSCI7081/1/1234567'. 		1. 2. 3.	Risk factor for 'Lab 3' is 33.3% (approx.) ((3 + 1 + 0 + 0) / 12) Question 1 response is red. Question 2 response is yellow.	PASS	(Expected)
Automatic flagging of students at risk	EWS3	High risk factor for latest 2 labs flags marks student for	 Login as student. Navigate to 'courses/COMPSCI101/1/lab/lab- 9/1234567/survey/1' 	Test is NOT completed at a time which is divisible by	1.	Student with GUID 1234567 marked as 'Will be flagged automatically'	PASS	(Expected)

	automatic	3.	Respond to first XY question at	5 minutes				
	flagging.		coordinate -10,-10. (DANGER zone)	(this will				
		4.	Respond to second XY question at	cause the				
			coordinate -10,-10. (DANGER zone)	flag to be				
		5.	Respond to third XY question at	applied).				
			coordinate -10,-10 (DANGER zone).					
		6.	Respond to journal question with					
			'Everything is so bad'.					
		7.	Navigate to					
			'courses/COMPSCI101/1/lab/lab-					
			8/1234567/survey/1'					
		8.	Repeat steps 1-6					
		9.	Navigate to					
			'/courses/COMPSCI7081/1/1234567'					
		10.	Login as instructor.					
		11.	Navigate to 'courses/COMPSCI101/1'.					
EW	S4 Send flags to	1.	Login as instructor.	EWS3 is	1.	Student with GUID 1234567	PASS	(Expected)
	students at	2.	Navigate to 'courses/COMPSCI101/1'.	complete.		marked as 'AUTOMATICALLY		
	interval.			A 5 minute		FLAGGED' in course summary		
				division of		page's student table.		
				the time	2.	Date matches date of EWS3.		
				has passed	3.	Time in table is at the closest 5		
				since its		minute interval after completion		
				completion.		of EWS3.		
EW	S5 Verify student flag	1.	Login as student.	EWS3,	1.	Support status indicates 'flagged	FAIL	Time reads
	view	2.	Navigate to	EWS4		automatically'.		9:05
			'courses/COMPSCI101/1/1234567'.		2.	Date matches date of EWS3.		(expected
					3.	Time is at the closest 5 minute		21:05).
						interval after completion of EWS3.		
					4.	Reason displays description of		All else as
						automatic flag based on course		expected.
						COMPSCI101's risk thresholds.		
					5.	'Remove support flag' button NOT		
						present.		

	EWS6	Verify instructor	1.	Login as instructor.	EWS3,	1.	Support status indicates 'flagged	FAIL	Time reads
		flag view	2.	Navigate to	EWS4		automatically'.		9:05
				'courses/COMPSCI101/1/1234567'.		2.	Date matches date of EWS3.		(expected
						3.	Time is at the closest 5 minute		21:05).
							interval after completion of EWS3.		
						4.	Reason displays description of		All else as
							automatic flag based on course		expected.
							COMPSCI101's risk thresholds.		
						5.	'Remove support flag' button		
							present.		
nstructors	EWS7	Add danger zone.	1.	Login as instructor.	EWS2	1.	Risk factor increase for both	PASS	(Expected)
can configure			2.	Navigate to			students to 75% (2345678) and		
danger zones				'courses/COMPSCI101/1/lab/lab-1			50% (12345670.		
for question			3.	Click twice on the region in the second XY		2.	Question responses for Q2 for		
responses				grid where a response is marked in blue			both students update to red		
				to set danger zone.			colour.		
			4.	Click 'update danger zones' button.					
	EWS8	Add warning	1.	Login as instructor.	EWS7	1.	Risk factor increases for 1234567	PASS	(Expected)
		zone.	2.	Navigate to			to 58%.		
				'courses/COMPSCI101/1/lab/lab-1		2.	Question response for Q3 for		
			3.	Click once on the region in the third XY			Student Test updates to yellow		
				grid where a response is marked in blue			colour.		
				to set warning zone.					
			4.	Click 'update danger zones' button.					
	EWS9	Remove danger	1.	Login as instructor.	EWS7,	1.	Risk factor decreases for both	PASS	(Expected)
		zone.	2.	Navigate to	EWS8		students to 50% (2345678) and		
				'courses/COMPSCI101/1/lab/lab-1'			33% (1234567).		
			3.	Click on danger zone in the second XY grid		2.	Question responses for Q2 have		
				where a response is marked in blue to			no colour.		
				clear danger zone.					
			4.	Click. 'update danger zones' button.					
Course	EWS10	Thresholds	1.	Login as instructor.	EWS4,	1.	No students at risk shown at step	PASS	(Expected)
thresholds for		change students	2.	Navigate to	EWS9,		6.		
risk are		at risk.		'courses/COMPSCI101/1/lab/lab-9'	EWS13				
configurable									

			3. 4. 5. 6. 7. 8. 9.	Remove danger zone from XY Question 2 and 3. Navigate to 'courses/COMPSCI101/1/1234567'. Remove risk flag. Navigate to 'courses/COMPSCI101/1' Alter risk thresholds using slider and number box. Set consecutive labs to 1 and risk threshold to 55%. Click 'submit'. Alter risk threshold to 50%. Click 'submit'.		2.3.4.5.	Risk threshold slider and number box display same value on value change. Submitted form displays the new thresholds No students at risk shown at step 8. '1234567 – Student Test' marked as 'Will be flagged automatically' after step 10.		
Verify manual student flagging	EWS11	Student can manually self flag	1. 2. 3. 4. 5.	Login as student. Navigate to 'courses/COMPSCI202/2/1234567' Add 'I need help' description in support status form. Click 'Flag for support' Navigate to 'courses'.	Student is not flagged.	1. 2. 3. 4. 5. 6. 7.	Support status indicates 'self-flagged'. Date matches date of click. Time matches time of click. Reason displays 'I need help' 'Remove support flag' button present. No 'flag for support' button present. Instructor 'courses/COMPSCI202/2/1234567' page displays identical information. Student '/courses' page course table displays 'self flagged' for COMPSCI101' Instructor 'courses/COMPSCI202/2/' page student table shows 'Student Test' as 'self-flagged'. Date matches.	FAIL	Time reads 9:23 (expected 21:23) on student course summary page. All else as expected.

	EWS12	Student can remove their own flag Instructor can remove student	1. 2. 3.	Login as student. Navigate to 'courses/COMPSCI202/2/1234567' Click 'Remove support flag' in support status form. Login as instructor Navigate to	EWS11	1. 2. 3.	'flag for support' form. Flag removed from instructor views (see EWS11) Flag removed from student course table (see EWS11)	PASS	(Expected)
		flag.	3.	'courses/COMPSCI202/2/1234567' Click 'Remove support flag' in support status form.					
Verify manual instructor Flagging	EWS14	Instructor can manually flag a student	1. 2. 3. 4. 5.	Login as instructor. Navigate to 'courses/COMPSCI202/2/1234567' Add 'Student needs help' description in support status form. Click 'Flag for support' Navigate to 'courses'		1. 2. 3. 4. 5. 6. 7.	by instructor'. Date matches date of click. Time matches time of click. Reason displays 'Student needs help' 'Remove support flag' button present. No 'flag for support' button present. Student 'courses/COMPSCI202/2/1234567' page displays identical information. Student '/courses' page course table displays 'self flagged' for COMPSCI101' Instructor 'courses/COMPSCI101/1/' page student table shows 'Student Test' as 'self-flagged'. Date matches.	PASS	(Expected)
	EWS15	Instructor can remove instructor flag.	1. 2.	Login as instructor Navigate to 'courses/COMPSCI202/2/1234567'	EWS14	1.	See EWS12	PASS	(Expected)

			3.	Click 'Remove support flag' in support					
				status form.					
ľ	EWS16	Student cannot	1.	Login as student	EWS14	1.	No 'Remove support flag' button	PASS	(Expected)
		remove instructor	2.	Navigate to			present.		
		flag		'courses/COMPSCI202/2/1234567'					

User: Student

Module: Survey Instrument

Test Scenario	ID	Test case	Test steps	Pre	Expected result(s)	Status	Actual
				condition			Result
XY Instrument	SI1	Students can register an XY response.	 Login as a student Go to 'courses/COMPSCI101/1/lab/lab-5/1234567/survey/1' Click the cell at -10, -10 		Survey advances to next XY question	PASS	(Expected)
			4. Click 'next question'				
	SI2	Cannot select multiple cells.	1. (Continues using next question from SI1) 2. Click the cell at 1, 1. 3. Click the cell at 9,9. 4. Click 'next question'	SI1	 Cell is removed from 1, 1 Cell is added to 9,9 Survey advances to next XY question 	PASS	(Expected)
	SI3	Cannot submit a blank response.	 (Continues using next question from SI2) Ensure no cells are selected Click 'next question' 	SI2	 Warning message shown. Survey does not advance. 	PASS	(Expected)
	SI4	XY Questions can be skipped	 (Continues using next question from SI3) Click 'skip question' 	SI3	Survey advances to next XY question	PASS	(Expected)
Sentiment analysis instrument	SI5	Students cannot submit a blank response	 (Continues using next question from SI4) Click 'submit' 	SI4	 Warning message shown. Survey does not advance. 	PASS	(Expected)
	SI6	Nudge interface corresponds to text input.	 (Continues using next question from SI4) Type into the text box up to approx 200 characters. Delete the text gradually. 	SI4	 Nudge meter fills with more characters. Nudge meter goes from red to yellow to green on text addition. Nudge meter empties with less characters. Nudge meter goes from green to yellow to red on text removal. 	PASS	(Expected)
	SI7	Students can enter a qualitative journal	(Continues using next question from SI4)	SI4 (May require	Survey response submits.	PASS	(Expected)

		response in the survey	2.	Enter the text 'This is great'.	different	2.	Redirected to		
		and submit survey	3.	Click 'submit'	survey)		'courses/COMPSCI101/1/1234567'.		
	SI8	Sentiment questions can	1.	(Continues using next question from	SI4 (May	1.	Survey response submits.	PASS	(Expected)
		be skipped		SI4)	require	2.	Redirected to		
			2.	Click 'skip and submit'	different		'courses/COMPSCI101/1/1234567'.		
					survey)				
Response	SI9	Answered questions	1.	Navigate to		1.	Buttons for questions 1, 2, and 4 are	PASS	(Expected)
processing		shown		'courses/COMPSCI101/1/1234567'			shown.		
and display			2.	View 'Completed lab surveys' lab 5.					
	SI10	Skipped questions not				1.	A button for question 3 is not shown.	PASS	(Expected)
		shown							
	SI11	Lab not in pending table				1.	Lab 5 is not in the pending lab table.	PASS	(Expected)
	SI12	Question response	1.	Navigate to		1.	Popover appears.	PASS	(Expected)
		information is displayed		'courses/COMPSCI101/1/1234567'		2.	Popover title is question number.		
		on hover	2.	View 'Completed lab surveys'.		3.	Question title is present.		
			3.	Hover over each button in the		4.	Question text is present.		
				responses column.					
	SI13	Question response	1.	Navigate to		1.	Popover persists when mouse is moved	PASS	(Expected)
		information persists on		'courses/COMPSCI101/1/1234567'			away.		
		click.	2.	View 'Completed lab surveys'.		2.	Clicking outside the popover closes it.		
			3.	Click button '1'.					
			4.	Move mouse away from button and					
				click.					
	SI14	XY response information	1.	Navigate to		1.	Question title is 'Interest/Difficulty'	PASS	(Expected)
		correct		'courses/COMPSCI101/1/1234567'		2.	Question text is 'How interesting did		
			2.	View 'Completed lab surveys'.			you find the task? How difficult did you		
			5.	Hover over question '1' in lab 5			*personally* find it?'		
						3.	Subtitle of 'XY Response' present.		
						4.	Displays 'Interest: 100% Boring'		
						5.	Displays 'Difficulty: 100% Hard'		
	SI15	Sentiment question	1.	Navigate to		1.	Question title is 'Journal'.	PASS	(Expected)
		response information		'courses/COMPSCI101/1/1234567'		2.	Question text contains 'Reflect on the		
		correct	2.	View 'Completed lab surveys'.			course so far. '.		
			6.	Hover over question '4' in lab 5		3.	Subtitle of 'Response' present.		
						4.	Response displays 'This is great'.		

SI16	Sentiment analysis	1.	Navigate to	< SI16	1.	The sentiment analysis response	PASS	(Expected)
	matches positive text		'courses/COMPSCI101/1/lab/lab-			information to the completed survey		
	sentiment.		4/1234567/survey/1'			displays a positive classification.		
		2.	Skip all XY questions.		2.	Subtitle of 'Analysis' is present.		
		3.	At the journal entry question, enter		3.	Displays 'Classification: Positive'		
			'This is excellent. I am learning lots!'		4.	Displays confidence.		
		4.	Submit the survey.					
		5.	Navigate to					
			'courses/COMPSCI101/1/1234567'					
		6.	View 'Completed lab surveys'.					
		7.	Hover over Q4 in lab 4.					
SI17	Sentiment analysis	1.	Navigate to	< SI16	1.	The sentiment analysis response	PASS	(Expected)
	matches negative text		'courses/COMPSCI101/1/lab/lab-			information to the completed survey		
	sentiment.		6/1234567/survey/1'			displays a negative classification.		
		2.	Skip all XY questions.		2.	Subtitle of 'Analysis' is present.		
		3.	At the journal entry question, enter		3.	Displays 'Classification: Negative'		
			'This is awful. I am really struggling		4.	Displays confidence.		
			and want to leave the course.'					
		4.	Submit the survey.					
		5.	Navigate to					
			'courses/COMPSCI101/1/1234567'					
		6.	View 'Completed lab surveys'.					
		7.	Hover over Q4 in lab 6.					