Test Documentation

# Test Plan

# Test Scenarios

Mapped to features in feature list document.

Possible Site URLs:

* /login/
* /logout/
* /lectures/
* /lecturs/new/
* /lecture/<int>/
* /lecture/<int>/feedback\_detail
* /lecture/<int>/edit/
* /lecture/<int>/delete/
* /lecture/<int>/start\_session/
* /lecture/<int>/stop\_session/
* /session/<int>/delete/
* /session/<int>/merge\_with\_previous/
* /session/<int>/merge\_with\_previous/
* /session/<int>/generate\_session\_code/
* /session/<int>/toggle\_questions/
* /questions/<int>/review/
* /questions/<int>/delete/
* /questions/new/
* /lecture/<int>/sessions/
* /session/<int>/questions/
* /api/feedbackdata/

Test Lecture File: **test\_lecure.pdf**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Scenario ID** | | **Test Scenario** | **Test Case ID** | | **Test Case Name** | **Test Steps** | **Test Data** | | **Expected Outcome** | | | **Actual Outcome** | **Result** | |
| TS01 | | Check Staff Login | TC01 | | Check staff login with correct data | 1. Go to <http://localhost:8000/login/> 2. Enter Username 3. Enter Password 4. Click Login | TODO (perhaps use staff account) | | User should be redirected to Lecture List page (<http://localhost:8000/en/lectures/>) User name and email should be displayed in the left of the navigation bar | | |  |  | |
|  | |  | TC02 | | Check staff login with invalid data | 1. Go to <http://localhost:8000/login/> 2. Enter Username 3. Enter Password 4. Click Login | username = mwj7  password = wrong123 | | User should be redirected <http://localhost:8000/en/login/> and there should be a red message box appear below the login form with the text “Invalid Staff Login Details” | | |  |  | |
|  | |  | TC03 | | Check undergraduate valid data cannot login | 1. Go to <http://localhost:8000/login/> 2. Enter Username 3. Enter Password 4. Click Login | username = mwj7  password = <my\_password> | | User should be redirected <http://localhost:8000/en/login/> and there should be a red message box appear below the login form with the text “Invalid Staff Login Details” | | |  |  | |
|  | |  | TC04 | | Check login with required data missing | 1. Go to <http://localhost:8000/login/> 2. Miss out either or both the username and passwords fields 3. Click Login | N/A | | Should display prompt next to first empty field with text “Please fill in this field” | | |  |  | |
|  | |  | TC05 | | Check Redirect to login page when attempting URL navigation to another part of staff site without being logged in | 1. Go to any or all of the possible site URLs | See Possible Site URLs above | | Should redirect to <http://localhost:8000/en/login/> with a GET parameter next in the URL set to the URL you attempted to navigate to. | | |  |  | |
|  | |  |  | | Check alerts user when trying to login if already logged in | 1. Login as described in TC01 2. Navigate to URL /login/ | N/A | | * Should display blue alert with text “You are already logged in” * Should also display “Lecture List” and “Logout” links in the right side of the navigation bar. * Should display name and email at the left side of the navigation bar | | |  |  | |
|  | |  |  | | Check logout | 1. Login as described in TC01 2. Click ‘Logout’ in the navigation bar | N/A | | Should Redirect to /en/login/ page and no longer display name and email in the navigation bar. | | |  |  | |
|  | |  | TC?? | | Check the if being redirected to the login page that the ‘next’ GET parameter works in redirecting the user to the page they first tried to access | 1. Enter /en/lectures/ in the URL bar 2. Enter Username 3. Enter Password 4. Click Login | Username = mwj7  Password = <my\_password> | | Should be redirected to Lecture List page (/en/lectures/) and logged in with name and email displayed in the left of the navigation bar. | | |  |  | |
| TS02 | | Check welsh language localisation | TC06 | | Check site displays in Welsh | 1. Go to any or all of the possible site URLs 2. Click on Cymraeg in the bottom left corner of the screen | See Possible Site URLs above | | Redirects to the same URL with /cy/ prepended on the URL  All static display text should be in Welsh | | |  |  | |
|  | |  | TC07 | | Check I18n URLs work | 1. Go to any or all of the possible site URLs with /en/ appended to URL 2. Go to any or all of the possible site URLs appended with /cy/ | See possible Site URLs above | | * All static text is displayed in English for /en/ URLs * All static text is displayed in Welsh for /cy/ URLs | | |  |  | |
| TS03 | | Check create lecture | TC08 | | Check create new lecture with valid data | 1. Login as described in TC01 2. Click on ‘New Lecture’ in the navigation bar 3. Enter title 4. Enter Number of slides 5. Enter Notes 6. Click Choose and select the test lecture 7. Click Create | title = My Lecture  number of slides = 15  notes = <text>  See test lecture location above. | | * Redirect to Lecture List Page (/en/lectures/). * New lecture ‘My Lecture’ will be added to list. With Creation Date set to today’s date. * There will be a green success message in the top right corner with the text “Lecture Created: My Lecture” * When Navigating clicking on lecture title to navigate to ‘Lecture Detail’ page the info in the fields in the left panel will be the same as that entered in the create form. * When then clicking on ‘View Lecture PDF’ in the navigation bar the PDF will be displayed in the browser. | | |  |  | |
|  | |  | TC09 | | Check create new lecture with valid data and optional data missed out | 1. Login as described in TC01 2. Click on ‘New Lecture’ in the navigation bar 3. Enter title 4. Enter Number of slides 5. Click Create | title = My Lecture  number of slides = 15 | | * Redirect to Lecture List Page (/en/lectures/). * New lecture ‘My Lecture’ will be added to list. With Creation Date set to today’s date. * There will be a green success message in the top right corner with the text “Lecture Created: My Lecture” * When Navigating clicking on lecture title to navigate to ‘Lecture Detail’ page the info in the fields in the left panel will be the same as that entered in the create form. * The ‘View Lecture PDF’ navigation link will NOT be there because there is no uploaded file to link to | | |  |  | |
|  | |  | TC10 | | Check create lecture with invalid data | 1. Login (described in TC01) 2. Click on ‘New Lecture’ in the navigation bar 3. Enter title 4. Enter Number of slides 5. Click Create | title = My Lecture  number of slides = eeee | | Displays a prompt with text “Please enter a number” on the number of slides field | | |  |  | |
|  | |  | TC11 | | Check create lecture with missing required data | 1. Login (described in TC01) 2. Click on ‘New Lecture’ in the navigation bar 3. Miss out either or both of the title and number of slides fields 4. Click Create | N/A | | Displays a prompt next to the first missing field with text “Please fill in this field” | | |  |  | |
|  | |  | TC?? | | Check only PDF file uploads are accepted. | 1. Login (described in TC01) 2. Click on ‘New Lecture’ in the navigation bar 3. Enter title 4. Enter Number of slides 5. Enter Notes 6. Click Choose and select any file that is not a PDF   Click Create | title = My Lecture  number of slides = 15  notes = <text> | | Should redisplay the create form with the added text ‘Unsupported file extension: PDF Only.’.  Should also display a red alert below the form saying the form data is invalid | | |  |  | |
| TS04 | | Check lecture listing & deletion | TC12 | | Check Lecture delete | 1. Create Lecture (Described in TC??) 2. Click on Delete for the lecture just created 3. Click on Confirm | N/A | | Should Add a lecture to the list. When clicking on Delete should navigate to ‘Confirm Delete’ page.  Clicking on Confirm should navigate back to lecture list with the lecture gone from the list. There will be a green success message in the top right corner with the text “Lecture Deleted: My Lecture” | | |  |  | |
|  | |  | TC?? | | Check lecture confirm delete | 1. Create Lecture (Described in TC??) 2. Click on Delete for the created lecture 3. Navigate to the previous page with the back button | N/A | | Should add a lecture to the list. When clicking on Delete should navigate to ‘Confirm Delete’ page. Clicking on back button will navigate back to lecture list where the lecture should still be in the list. | | |  |  | |
|  | |  | TC?? | | Check message display if no lectures present | 1. Login (described in TC01) 2. If any lectures are in list delete them following the process described in TC?? | N/A | | There should be a grey alert box displayed with the text “No Lectures”. | | |  |  | |
|  | |  | TC?? | | Check lecture list pagination | 1. Ensure there is enough lectures to require pagination by creating a minimum of 9 new lectures following the process described in TC?? 2. Click on any or all of the pagination links below the lecture list | N/A | | No more than 8 lectures should be on any pagination page. | | |  |  | |
|  | |  | TC?? | | Check lecture ordering | 1. Create multiple lectures (Described in TC??) 2. Delete some of them (Described in TC??) | N/A | | Lectures should be ordered with the most recently created being at the top | | |  |  | |
| TS05 | | Check view lecture data | TC?? | | Check able to view lecture data | 1. Create a lecture (Described in TC??) 2. Click on title of the lecture you just created in the lecture list | N/A | | Should be on ‘Lecture Detail’ page  On the left side of the screen there should be a section with a dark background that contains the values for the lecture’s title, slide count and notes; these values should match the ones you entered upon lecture creation. | | |  |  | |
| TS06 | | Check edit lecture data | TC?? | | Check displays correct data in Edit Lecture page | 1. Login, create and view a lectures data as described in TC?? 2. Click on the ‘Edit’ link above the lecture title field | N/A | | Should be on ‘Edit Lecture’ page with a form similar to the one displayed on the ‘Create Lecture’ page however all three fields should be filled in with the values previously viewed on the ‘Lecture Detail’ page. | | |  |  | |
|  | |  | TC?? | | Check lecture details are updated correctly when providing correct data | 1. Go to the ‘Edit Lecture’ page (Described in TC??) 2. Enter new\_title into title field 3. Enter new\_notes into notes field 4. Click Update | new\_title = Awesome New Title  new\_notes = Awesome New Notes | | Should be on ‘Lecture Detail’ page with new title and notes displayed in the fields in the panel on the left side of page. | | |  |  | |
|  | |  | TC?? | | Check lecture details cannot be submitted if providing invalid data | 1. Go to the ‘Edit Lecture’ page (Described in TC??) 2. Provide incorrect data or invalid file to the lecture details form (like TC?? & TC??) | N/A | | Should see same result for missing data, invalid data or wrong file type as described above in TC?? & TC??  (Missing data prompt user to fill in field, Invalid data reloads form with red alert and wrong file type reloads form and display unsupported file type notification*.*) | | |  |  | |
| TS07 | | Check Lecture Search | TC?? | | Check Search Lecture by full title | 1. Login & Create a lecture (Described in TC??) 2. Create two more lectures with titles provided 3. Type ‘Second Lecture’ into the search field 4. Click ‘Search’ | title(2) = ‘Second Lecture’  title(3) = ‘Third Lecture’ | | Only the lecture titled ‘Second Lecture’ should be displayed in the list. | | |  |  | |
|  | |  |  | | Check Search Lecture by partial title | 1. Login & Create a lecture (Described in TC??) 2. Create two more lectures with titles provided 3. Type ‘Lecture’ into the search field 4. Click ‘Search’ | title(2) = ‘Second Lecture’  title(3) = ‘Third Lecture’ | | All three lectures should be displayed in the list (My Lecture, Second Lecture, Third Lecture) | | |  |  | |
|  | |  | TC?? | | Check Lecture Search by full Date |  |  | |  | | |  |  | |
|  | |  | TC?? | | Check Lecture Search by partial Date |  |  | |  | | |  |  | |
|  | |  |  | | Check Empty Search displays all lectures | 1. Ensure there are some lectures in the lecture list 2. Ensure the search field is empty 3. Click ‘Search’ | N/A | | All lectures that have been created by the user should be displayed. | | |  |  | |
| TS08 | | Check PDF download functionality | TC?? | | Check staff user can view and download the uploaded PDF file | 1. Create a lecture with a PDF file (Described in TC??) 2. Click on the lecture’s title in the lecture list to go to the ‘Lecture Detail’ page 3. Click on ‘View Lecture PDF’ in the navigation bar on ‘Lecture Detail’ page 4. Click on the Download button on this page | N/A | | * After clicking on ‘View Lecture PDF’ the PDF should be displayed in the browser. * Clicking Download will download the pdf into the downloads folder on computer | | |  |  | |
| TS09 | | Check extract from PDF functionality | TC?? | | Check slide count can be extracted from uploaded PDF file | 1. Create a lecture with a PDF file (Described in TC??) 2. Click on the lecture’s title on the ‘Lecture List’ page to go to the ‘Lecture Detail’ page 3. Click on ‘Extract from PDF’ | N/A | | Slide count displayed for the lecture should now be the same as the number of PDF pages/slides. | | |  |  | |
| TS10 | | Start a feedback session | TC?? | | Check session can be created | 1. Login, create lecture and navigate to ‘Lecture Detail’ page (Described in TC??) 2. Click ‘Add Session’ | N/A | | Session should be displayed as table row under feedback session heading in ‘Lecture Detail’ page.  The first start time of the session should be ‘N/A’  The last end time of the session should be ‘N/A’ | | |  |  | |
|  | |  |  | | Check session can be started | 1. Create session (Described in TC??) 2. Click on session row in table 3. Click on ‘Start Session’ | N/A | | First start time of session should change to when ‘Start Session’ was clicked  Last end time of session should change to ‘Session Running’ | | |  |  | |
|  | |  |  | | Check session can be restarted | 1. Create, start and stop session (TC??, TC??, TC??) 2. Ensure session row is highlighted by clicking on session row 3. Click ‘Start Session’ | N/A | | Last end time of session should change to ‘Session Running’  When hovering over the first start time value of the session there should be popup displaying both times the session was started one will be the time when ‘Start Session’ was just clicked. | | |  |  | |
| TS11 | | Generate Session Code | TC?? | | Check session is created with valid code | 1. Create session (Described in TC??) | N/A | | Session should be displayed as table row and entry for ‘Code’ column should be a 6-character uppercase Alphanumeric value. | | |  |  | |
|  | |  | TC?? | | Check code can be changed | 1. Create session (Described in TC??) 2. Click on the row containing that session in the table 3. Click Generate New Code | N/A | | Session should display a different code than before. | | |  |  | |
| TS12 | | View questions asked to current session | TC?? | | Check un reviewed questions can be viewed on the lecture detail page | 1. Start a Feedback Session for the lecture (Described in TC??) 2. Connect to the session just started (Described in TC??) 3. Post a question to the session (Described in TC??) 4. Go to the ‘Lecture Detail’ page for the lecture the session was created for. 5. Click on the row for the session | N/A | | The session’s question list on the lecture detail page should update to display the new question, with the time it was posted. | | |  |  | |
| TS13 | | View all questions previously asked for a lecture | TC?? | |  |  |  | |  | | |  |  | |
| TS14 | | Stop Session Running | TC?? | | Check running session can be stopped | 1. Navigate to a lecture with a running session or start a new session (Described in TC??) 2. Click on the row for that session in the Feedback Sessions table 3. Click on ‘Stop Session’ | N/A | | Session should be displayed as table row under feedback session heading in ‘Lecture Detail’ page.  The start time of the session should be the time of session start and the end time should be the time that ‘Stop Session’ was clicked. | | |  |  | |
| TS15 | | Mark a question as reviewed | TC?? | | Mark an asked question as reviewed | 1. Create a session and start it (Described in TC??) 2. On another tab, connect to the session and ask a question to the session (Described in TC??) 3. Go back to original tab to view the session in the ‘Lecture Detail’ page 4. Ensure the session row is highlighted blue by clicking on it 5. Click ‘Mark Reviewed’ next to the asked question in the Session’s Questions list | N/A | |  | | |  |  | |
| TS16 | | Toggle question for a session | TC?? | | Disable questions for a session |  |  | |  | | |  |  | |
|  | |  | TC?? | | Re-Enable questions for a session |  |  | |  | | |  |  | |
| TS?? | | Merge session with previous session |  | |  |  |  | |  | | |  |  | |
| TS?? | | Merge session with next session |  | |  |  |  | |  | | |  |  | |
| TS?? | | View session feedback in graphs | TC?? | | Check can view all feedback for a session | 1. Create session and start it (Described in TC??) 2. Connect to the running session (Described in TC??) 3. Submit feedback to the session. 4. Go to the ‘Feedback Detail’ page for the active session 5. Click on the session in the list | N/A | | The feedback options entered should be displayed in pie charts on the ‘Feedback Detail’ page  The change in options and amount of feedback should be the same as was entered. | | |  |  | |
|  | |  |  | | Check changes in feedback automatically updates on the ‘Feedback Detail’ page | 1. Ensure a session is running and has feedback already (Described in TC??) 2. Connect to the session and submit some more feedback to the session on another tab in the browser 3. Go back to the original browser tab to view the ‘Feedback Detail’ page again (without reloading the page) | N/A | | The added feedback should be noticed as a change in numbers of the pie charts or bar graphs being displayed on the ‘Feedback Detail’ page | | |  |  | |
|  | |  | TC?? | | Check can switch between viewing data as pie or bar charts | 1. Submit feedback for a session and view all feedback for a session (Described in TC??) 2. Change the value of the drop down select from ‘Pie Charts’ -> ‘Bar Charts’ (or Visa-Versa) | N/A | | Upon switching the drop-down the displayed data should change to be displayed as the other type of chart; the amount and type of data itself should not change.  The new charts will replace the positions of the old charts. | | |  |  | |
|  | |  | TC?? | | Check can view session feedback for a specific lecture slide | 1. Ensure there is a session running (Described in TC??) 2. Ensure the lecture that the session is for has a slide count more than 1 3. Connect to the session on a different browser tab (/connect) by entering the session code (Described in TC??) 4. Select arbitrary feedback options and choose the ‘Slide 1’ option for the ‘Feedback for which slide’ field. 5. Click ‘Submit’ to submit the feedback 6. Select any feedback options but choose the ‘Slide 2’ option for the ‘Feedback for which slide’ field. 7. Click ‘Submit’ to submit the feedback 8. On previous browser tab go to ‘Feedback Detail’ page for the associated lecture 9. Change the drop-down options from ‘All Feedback’ to ‘Slide 1 Feedback Only’ 10. Change the drop-down options from ‘Slide 1 Feedback Only’ to ‘Slide 2 Feedback Only’ | N/A | | * The submitted feedback data will show collectively in pie charts on the ‘Feedback Detail’ page when ‘All Feedback’ is the value of the drop-down select. * When changing the drop-down to ‘Slide 1 Feedback Only’ only the submitted feedback entry that was associated with slide 1 should be displayed. * When changing the drop-down to ‘Slide 2 Feedback Only’ only the submitted feedback entry that was associated with slide 2 should be displayed in the pie chart data. | | |  |  | |
|  | |  | TC?? | | Check can switch between viewing feedback data for different sessions | 1. Create a session and set it running (Described in TC??) 2. Create another session and set it running 3. Submit feedback to that session (Described in TC??) 4. Submit feedback to the second session 5. Go to the ‘Feedback Detail’ page for the lecture the sessions belong to 6. Click on the first session to view its feedback 7. Click on the second session to change to view its feedback | N/A | | | When clicking on first session its feedback data should be displayed in the charts  When clicking on the second the session its feedback data should be displayed in the charts | |  |  | |
| TS?? | Check connect to session | | TC?? | Check users can connect to active session | | 1. Start a session (Described in TC??) 2. Go to /connect 3. Enter the sessions code in the Session Code field 4. Click ‘Connect’ | | N/A | | Should be redirected to ‘Lecture Feedback’ page. With the session code displayed in the top left of the page. |  | | |  |
|  |  | | TC?? | Check users cannot connect to inactive session | | 1. Start a session (Described in TC??) 2. Stop the session by clicking the ‘End Running Session’ button 3. Go to /connect 4. Enter the sessions code in the Session Code field 5. Click ‘Connect’ | | N/A | | Page should reload with red alert under form with the text ‘Lecture is not active’ |  | | |  |
|  |  | | TC?? | Check users are disconnected when session is ended | | 1. Start a session (Described in TC??) 2. Go to /connect 3. Enter the sessions code in the Session Code field 4. Click ‘Connect’ 5. Go back on different tab to ‘Lecture Detail’ page and end the session by clicking ‘End Running Session’ 6. Go back to other tab and reload the ‘Feedback’ page | | N/A | | Should be redirected to the ‘Connect’ page with a red alert with the text ‘Lecture is not active’ |  | | |  |
|  |  | | TC?? | Check session disconnect | | 1. Create a session and connect to session (Described in TC??) 2. Click ‘Disconnect’ in the navigation bar | | N/A | | Should be back on connect page (/connect)  Attempted navigation to /feedback should result in ‘Connect’ page redirect with red alert with text ‘Please connect to active session with valid feedback code’ |  | | |  |
| TS?? | Provide feedback | | TC?? | Check feedback can be submitted to a session | | 1. Create a session and start it (Described in TC??) 2. Connect to the session on a different browser tab (Described in TC??) 3. Choose options for each of the drop-downs under the ‘Give Feedback’ heading. 4. Click ‘Submit’ 5. Navigate to the ‘Feedback Detail’ page on the previous tab | | N/A | | When submitting feedback a green notification should be displayed underneath he Submit button saying the feedback has been submitted.  Feedback entered should match that displayed in the graphs on the ‘Feedback Detail’ page |  | | |  |
| TS?? | Change provided feedback | | TC?? | Check previously submitted feedback can be overwritten by user who submitted it | | 1. Submit feedback to a session (Described in TCC??) but associate the feedback with Slide 1 by selecting ‘Slide 1’ in the last drop-down. 2. Then change some of the options but still associate the feedback with ‘Slide 1’ | | Feedback for which slide option = Slide 1 | | When submitting the feedback for slide 1 the first time a green alert with the text ‘Slide 1 Feedback Submitted’ should be displayed. When submitting different feedback for slide 1 a green alert with the text ‘Slide 1 Feedback Re-submitted’ should be displayed.  Only the values of the last feedback submission for slide 1 should be displayed in the ‘Feedback Detail’ charts (Assuming no other feedback was previously provided for the session). |  | | |  |
| TS?? | Ask a question to a session | | TC?? | Check can post a session | | 1. Start a session (Described in TC??) 2. Go to /connect 3. Enter the sessions code in the Session Code field 4. Click ‘Connect’ 5. Enter a question in the ‘Ask Question? ‘text area 6. Click ‘Post’ | | question = Why is the sky blue? | | Question should be displayed in a list group below the input text area with the time ago posted displayed.  If navigating back to the ‘Lecture Detail’ page that contains the session the question should also appear there under ‘Session’s Questions’ area of the page (assuming the corresponding session row is highlighted) with the same time posted ago. |  | | |  |
| TS?? | Delete a previously asked question | | TC?? | Check can delete a posted session | | 1. Ask a question to a session (Described in TC??) 2. Ensure you are on the ‘Feedback’ page where you can view your asked question in the list under the Ask Question? text area 3. Click ‘Delete’ button next to the asked question | | N/A | | Question should be removed from list. Question should also be removed from listing in the corresponding ‘Lecture Detail’ page. |  | | |  |