

Test Table for Course Pal

Test ID	Requirement ID	Requirement	Test data / Test action	Expected outcome	Actual outcome	Evidence	Pass/Fail
1. User account management							
1	1.1.	New users should be able to register for an account.	Click on the Register link on the home page.	The register form opens.			
2	1.1.1.	The registration form must include fields for first name, last name, username, password, password verification, and email address.	Click on the Register link on the home page.	The register form opens and shows first name, last name, username, password, password verification and email address.			
3	1.1.2.	Users should be able to choose categories that interest them as checkboxes.	Click on the Register link on the home page.	The register form opens and shows the categories as checkboxes for the user to select.			
4	1.1.3.	All registration fields must be validated before submission.	Attempt to click on the Register button on the form with some of the fields left empty and the passwords not matching.	The register form should not be submitted until all fields are filled in and the passwords match.			
5	1.1.3.1	A user must be not be able to register with the same username as another registered user	Attempt to click on the Register button on the form with all fields filled in, but a username the same as an existing user.	A message should appear that there is already a user with that username.			
6	1.1.4.	On successful registration, a new user record should be added to the database.	After registration, the users table should be	A new user record is added with the correct data submitted in the fields.			

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			checked that the new user has been added.				
7	1.1.5.	The password must be hashed before it is stored					
8	1.2.	Registered users should be able to log in.					
9	1.2.1.	Login must require a username and password.					
10	1.2.2.	The entered username and password should be validated against stored details.					
11	1.2.3.	If login is successful, a personalised message should be displayed on subsequent pages.					
12	1.3.	Session variables should be used to store the username or user ID after login to personalise pages.					
13	1.4.	Authenticated users should have access to a menu of links in the navigation bar. The links should be 'All Courses', 'Home', 'My Account', and 'Logout'.					
14	1.5.	Registered users should be able to edit their account details such as first name, last name, username, password and preferred course categories.					

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2. Browsing the course catalogue							
15	2.1.	The website should have a top-level horizontal navigation bar with links to main site areas.					
16	2.2.	The company logo on every page should link back to the home page.					
17	2.3.	The home page should display a welcome heading and introductory text, and show eight recommended courses.					
18	2.3.1.	Each recommended course block must have a heading, short paragraph, image, and 'Read more' link to the course page.					
19	2.3.2.	The list of recommended courses should change according to a custom 'recommendation algorithm'.					
20	2.3.2.1.	Courses should be recommended if they are running in the next three months, the user has chosen that course category as a preferred category, the user has not already booked the course,					

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		and the course is not already full.					
21	2.4.	Each course page should provide information about the course.					
22	2.4.1.	There should be an image on the left of the screen.					
23	2.4.2.	The course details should appear on the right of the screen and should contain the course title and one or two paragraphs of text.					
24	2.4.3.	The date and time the course is running should appear.					
25	2.4.4.	The course capacity and number of bookings should appear.					
26	2.4.5.	A button to book the course should be clearly visible.					
27	2.5.	When the course page is viewed on a mobile device, the main heading, course details, and image should resize to be full width and align beneath each other to make it easier to read.					

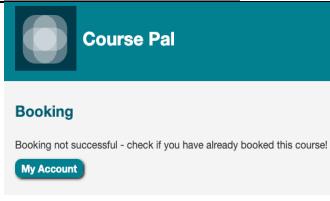
3. All Courses

28	3.1.	The 'All Courses' page should display all the					
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		courses in the Course Pal catalogue sorted by course date.					
29	3.2.	The courses should be displayed as course blocks that should fit across the page depending on the screen's size.					
30	3.3.	Each block should show an image, title, and short description, with a button to view the course.					
31	3.4.	The 'All Courses' page must have a search box to allow the user to type in a word or part of a word.					
32	3.5.	When the search button is clicked, the courses table should be searched and a list of courses that contain that word in the title or description should be returned.					
33	3.6.	The 'All Courses' page should also have column headings as clickable links to sort the courses that have been returned.					
34	3.6.1.	The columns should be 'ID', 'Category', 'Course Name', 'Description', and 'Date'.					

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4. Course booking							
35	4.1.	A user must have to be logged in to make a successful booking.	Attempt to access the book.php page as a logged in user.	The Booking page should be displayed with a message about the booking attempt.	The Booking page is displayed with a message saying “Booking created successfully”	 Booking Booking created successfully My Account	Pass
36	4.2.	If the user is not logged in, a message should appear and the user should be prompted to log in or register.	Attempt to access the book.php page as an unauthenticated user.	The user is redirected to the home page with a message saying they must login.	The user is redirected to the home page with a message saying “Please login or register to book this course”.	 switcher, or a professional looking to advance, our flexible learning everyone. Our curriculum evolves with the tech industry, ensuring date and relevant skills. Please login or register to book this course Please login to use the site Login	Pass
37	4.3.	If the course is fully booked, a message should appear saying the booking was unsuccessful.	Click the “Book course” button on a course that has the same number of bookings as its capacity.	The message is shown on the booking page saying “This course is full”	The message is shown on the booking page saying “The course cannot be booked as it’s full”	 Booking This course cannot be booked as it's full My Account	Pass
38	4.4.	If the user is already booked on the course, a message will appear saying the booking was unsuccessful.	Click the “Book course” button on a course that a user has already booked on.	The message is shown on the booking page saying “You are already booked on this course”	The message is shown on the booking page saying “Booking not successful – check if you have already booked this course”	 Booking Booking not successful - check if you have already booked this course! My Account	Pass
39	4.5.1.	If the course booking is successful: A confirmation message should be shown to the user.	Click the “Book course” button on a course that has capacity and user has not already booked.	The Booking page should be displayed with a message about the booking attempt.	The Booking page is displayed with a message saying “Booking created successfully”	 Booking Booking created successfully My Account	Pass

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40	4.5.2.	A new booking should be added to the database linked to that course.	After booking, the bookings table should be checked that the new booking has been added.	The bookings table shows the new booking record with ids of the user and the course.	The bookings table shows the new booking record with ids of the user and the course.	<table border="1"> <thead> <tr> <th>booking_id</th><th>user_id</th><th>course_id</th><th>booking_date</th></tr> </thead> <tbody> <tr><td>1</td><td>2</td><td>11</td><td>2025-08-21 12:20:09</td></tr> <tr><td>3</td><td>2</td><td>12</td><td>2025-09-04 15:37:47</td></tr> <tr><td>4</td><td>2</td><td>13</td><td>2025-09-04 15:37:52</td></tr> <tr><td>5</td><td>1</td><td>12</td><td>2025-09-04 15:41:44</td></tr> <tr><td>6</td><td>38</td><td>1</td><td>2025-09-09 14:10:53</td></tr> <tr><td>7</td><td>2</td><td>24</td><td>2025-09-11 10:54:16</td></tr> <tr><td>8</td><td>1</td><td>15</td><td>2025-09-25 17:31:14</td></tr> <tr style="outline: 2px solid magenta;"><td>9</td><td>1</td><td>04</td><td>2025-09-05 17:04:57</td></tr> <tr><td>11</td><td>2</td><td>31</td><td>2025-09-25 17:45:40</td></tr> </tbody> </table>	booking_id	user_id	course_id	booking_date	1	2	11	2025-08-21 12:20:09	3	2	12	2025-09-04 15:37:47	4	2	13	2025-09-04 15:37:52	5	1	12	2025-09-04 15:41:44	6	38	1	2025-09-09 14:10:53	7	2	24	2025-09-11 10:54:16	8	1	15	2025-09-25 17:31:14	9	1	04	2025-09-05 17:04:57	11	2	31	2025-09-25 17:45:40	PASS
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41	4.6.	Registered users should be able to view their current and past bookings via the 'My Account' page.																																													
42	4.7.	Registered users should be able to cancel a course booking, which should remove the booking record from the system and display a suitable message.																																													

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5. Administrator features							
43	5.1.	Administrators should have access to a menu of links in the navigation bar. The links should be 'All Courses', 'Home', 'My Account', 'Logout', 'Admin', and 'Reports'.					
44	5.2.	If a user who is not an administrator attempts to access one of these links, they should be redirected to the login page.					
45	5.3.	Administrators must be able to edit existing course details.					
46	5.3.1.	The fields that must be able to be edited are course name, description, date, category, capacity, and image.					
47	5.3.2.	All fields on the course editing form must be validated where appropriate.					
48	5.3.3.	On successful submission, the course record should be updated with new values.					

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49	5.3.4.	If a user who is not an administrator attempts to edit a course, they should be redirected to the login page.					
50	5.4.	Administrators must be able to add a new course.					
51	5.4.1.	The fields that must be able to be added are course name, description, date, category, capacity, and image.					
52	5.4.2.	All fields on the course adding form must be validated where appropriate.					
53	5.4.3.	On successful submission, a new course record should be added to the database.					
54	5.4.4.	If a user who is not an administrator attempts to add a course, they should be redirected to the login page.					
55	5.5.	Administrators must be able to view the list of people booked on a course.					

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56	5.5.1.	The users' IDs, names, email addresses, and booking dates should be displayed in a table for easy printing.					
57	5.6.	Administrators must be able to view reports on the most popular courses.					
58	5.6.1.	The report should be in the form of a visual chart showing courses and booking numbers.					
59	5.6.2.	The courses should be sorted by booking number.					
60	5.6.3.	The course categories should be highlighted by colours.					

6. Responsive design and accessibility

61	6.1.	The website must generate different layouts based on screen size using media queries.					
62	6.1.1.	There should be one layout for screens that are less than 600 pixels wide.					
63	6.1.2.	There should be another layout for screens that are 600 pixels wide and above.					
64	6.1.3.	On mobile devices, the main heading, main text,					

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		images, and content blocks should resize to full width and align vertically.					
65	6.2.	External CSS should be used and inline CSS avoided to ensure a consistent layout across all pages.					
66	6.3.	The website should be accessible to screen readers using:					
67	6.3.1.	Semantic HTML elements					
68	6.3.2.	Meaningful alt text for images					
69	6.3.3.	Proper heading structures (e.g. <h1> to <h6> tags)					