

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.					
2	1.1.1.	The registration form must include fields for: first name, last name, username, password, password verification and email address.					
3	1.1.2.	Users should be able to choose categories of interest as check boxes					
4	1.1.3.	All registration fields must be validated before submission.					
5	1.1.3.1	A user must not be able to register with the same username as another registered user					
6	1.1.4.	On successful registration a new user record is added to the database					
7	1.1.5.	The password will be hashed before storing.					
8	1.2.	Registered users should be able to log in.					
9	1.2.1.	Login must require a username and password.					

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10	1.2.2.	The entered username and password will be validated against stored details.					
11	1.2.3.	On successful login, a personalised message should be displayed on subsequent pages.					
12	1.3.	Session variables will 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 will be: All Courses, Home, My Account, Logout.					
2. Browsing course catalogue							
14	2.1.	The website will have a top-level horizontal navigation bar with links to main site areas.					
15	2.2.	The company logo on every page will link back to the home page.					
16	2.3.	The home page will display a welcome heading, introductory text, and show 8 recommended courses.					
17	2.3.1.	Each recommended course block will have a heading,					

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		short paragraph, image, and a "Read more" link to the course page.					
18	2.3.2.	The list of recommended courses will change according to a custom "recommendation algorithm"					
19	2.3.2.1.	Courses should be recommended if: they are happening in the next 3 months, the user has chosen that course category as a preferred category, the user has not already booked on the course and the course is not already full.					
20	2.4.	Each course page should describe information about the course.:					
21	2.4.1.	There should be an image on the left of the screen.					
22	2.4.2.	The course details should appear on the right of the screen containing: the course title and 1 or 2 paragraphs of text.					
23	2.4.3.	The date and time the course is running should appear.					
24	2.4.4.	The course capacity should appear.					

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25	2.4.5.	A button to book the course should be clearly visible.					
26	2.4.6	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							
27	3.1.	The All Courses page will display all the courses in the Course Pal catalogue sorted by course date.					
28	3.2.	The courses will be displayed as course blocks that will fit across the page depending on the screen's size.					
29	3.3.	Each block will show a image, title and short description with a button to view the course.					
30	3.4.	The All Courses page will have a Search box to allow the user to type in a word or part of the word.					
31	3.5.	When the Search button is clicked the courses table will be searched and return a list of courses that contain that					

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		word in the title or description.					
32	3.6.	The All courses view will also have the column headings as clickable links to sort the returned courses:					
33	3.6.1.	The columns will be Course Id, Course Category, Course Name, Description and Course Date.					
4. Course booking							
34	4.1.	A user must be logged in to make a successful booking.					
35	4.2.	If the user is not logged in a message will appear and the user will be prompted to login or register.					
36	4.3.	If the course is fully booked, a message will appear saying the booking was unsuccessful.					
37	4.4.	If the user is already booked on the course, a message will appear saying the booking was unsuccessful.					
38	4.5.	If the course booking is successful a confirmation message is shown to the user.					

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39	4.6.	If the course booking is successful a new booking is added to the database linked to that course.					
40	4.7.	Registered users can view their current and past bookings via the My Account page.					
41	4.8.	Registered users can cancel a course booking, which will remove the booking record from the system and display a suitable message.					
5. Administrators features							
42	5.1.	Administrators should have access to a menu of links in the navigation bar. The links will be: All Courses, Home, My Account, Logout, Admin and Reports.					
43	5.2.	If a user who is not an administrator attempts to access one of these links they will be redirected to the login page.					
44	5.3.	Administrators must be able to edit existing course details.					
45	5.3.1.	The fields that can be edited are: course name, course					

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		description, course date, course category, capacity & course image.					
46	5.3.2.	All fields on the course edit form must be validated where appropriate.					
47	5.3.3.	On successful submission the course record will be updated with new values.					
48	5.3.4.	If a user who is not an administrator attempts to edit a course they will be redirected to the login page.					
49	5.4.	Administrators must be able to add a new course.					
50	5.4.1.	The fields that can be added are: course name, course description, course date, course category, capacity & course image.					
51	5.4.2.	All fields on the add course form must be validated where appropriate.					
52	5.4.3.	On successful submission a new course record will be added to the database.					
53	5.4.4.	If a user who is not an administrator attempts to add a course they will be redirected to the login page.					

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54	5.5.	Administrators must be able to view the list of people booked on a course.					
55	5.5.1.	The users' ids, names, email address and booking date should be displayed in a table for easy printing.					
56	5.6.	Administrators must be able to view reports on the most popular courses. This will be in the form of a visual chart showing courses and booking numbers sorted by booking number with course categories highlighted by colours.					
57	5.7	Clicking on labels on the View Reports page will redirect administrators to the course page.					
6. Responsive design and accessibility							
58	6.1.	The website will generate different layouts based on screen size using media queries.					
59	6.1.1.	<ul style="list-style-type: none"> One for screens less than 600 pixels 					
60	6.1.2.	<ul style="list-style-type: none"> Another for 600 pixels and above 					

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	6.1.3.	On mobile devices the main heading, main text, image and content blocks should resize to full-width and align vertically on mobile devices.					
61	6.2.	External CSS will be used and inline CSS avoided to ensure a consistent layout across all pages.					
62	6.3.	The website should be accessible to screen readers using:					
63	6.3.1.	<ul style="list-style-type: none"> semantic HTML elements. 					
64	6.3.2.	<ul style="list-style-type: none"> meaningful `alt` text for images. 					
65	6.3.3.	<ul style="list-style-type: none"> proper heading structures (e.g. h1 to h6 tags). 					