

## Appendix 1 – Test Plan

Test Number	Location	Description	Input	Expected Outcome	Passed?
1	Login Page	Ensure that the input fields validate correctly	Enter an Invalid format email address. Click 'Login'	The form will not submit, a popup will appear prompting the user to enter a valid email address	Y
2	Login Page	Ensure that the input fields validate correctly	Enter a valid format email address (Numeric Format). Click 'Login'	The popup which appeared in test 1 will not appear	Y
3	Login Page	Ensure that the input fields validate correctly	Enter a valid format email address (Initial.surname Format). Click 'Login'	The popup which appeared in test 1 will not appear	Y
4	Login Page	Ensure that the input fields validate correctly	Enter an invalid Password	No popup will appear. Page will reload and display an error message at the top	Y
5	Login Page	Ensure that the input fields validate correctly	Enter a valid Password When logged in as a valid user, Logout to ensure the session has been destroyed. Attempt to navigate to a page by entering a URL directly (Such as 'index.php/user/settings')	The page will redirect, displaying the calendar page. The users name will be at the top of the page	Y
6	General	Ensure that the session security works correctly		Should not be able to access any session protected pages, redirects to the Login page.	Y
7	Settings Page	Ensure that the read only values are not editable	Try to modify the 'Staff ID' and 'Staff Level' values	Should not be able to modify	Y
8	Settings Page	Users personal details are modifiable	Enter new details into the Personal Details section. Click 'Update Details'	The information should persist to the DB. The page reloads with a 'Success' message	Y
9	Settings Page	Users personal details are modifiable	Enter a valid personal email address. Click 'Update Details'	No popup will appear regarding bespoke email format (@nhs.org) as it is a personal email address	Y
10	Settings Page	Updating personal details without changing the password doesn't cause the password to change.	Enter some personal details, without changing the password (leave both fields blank). Click 'Update Details'. Logout, and then login again using the same user and the original password	The original password should still be valid. User logs in successfully	Y
11	Settings Page	Validate takes place on the new password	Enter a new password. Enter a different password in the 'Confirm password' field. Click 'Update Details'	A popup should be displayed to the user saying 'Passwords do not match'	Y
12	Settings Page	Validate takes place on the new password	Enter a new password. Enter the same password in the 'Confirm Password' field. Click 'Update Details'	The password validation (test 11) should pass.	Y
13	Settings Page	New password persists to the DB	After completing test 12. Logout, and attempt to login with the old password	Login should fail	Y
14	Settings Page	New password persists to the DB	After completing test 12. Logout, and attempt to login with the new password	Login should be successful	Y
15	Calendar - Standard User	Events are displayed on the calendar	Login	Upon login in, the user can see all calendar events. In the format described in the Specification (Nurse 2). Shifts which the user is working are displayed in the format (Nurse 2 Amy) and are highlighted in Green Next to the calendar, a list of weeks in which the user is missing shifts is displayed. This only looks at future weeks, so previous weeks & the current week do not have a count	Y
16	Calendar - Standard User	Missing shifts are displayed next to the calendar	Login		Y
17	Calendar - Standard User	User can add a shift	Click on a day which the current user is not already working, in a week in which they are not already working 5 shifts	The new shift will be created and added to the calendar	Y
18	Calendar - Standard User	User can delete a shift	Click on a shift which the user is currently working, in which there is NOT enough cover	The user wont be able to delete the shift as there is not enough cover. A message will be displayed	Y
19	Calendar - Standard User	User can delete a shift	Click on a shift which the user is currently working, in which there is enough cover	The user will be able to delete the shift	Y
20	Calendar - Standard User	User cant break shift guidelines	Add a shift in which the user already has a shift. Or in a week in which the user is already working 5 shifts	A message will be displayed saying the user is unable to add the shift	Y
21	Calendar - Standard User	Shift guidelines	Complete test 20. Click on the 'Guidelines' link in the message box	Shift guidelines will be displayed on the screen	Y
22	Calendar - Standard User	Message Box can be removed	Complete test 20. Click the cross (X) in the message box.	The message box will disappear	Y
23	Calendar - Standard User	Any message box which appears, and has a cross (X) can be deleted	Click the cross (X) in the message box	The message box will disappear	Y
24	Calendar - Standard User	Instructions are displayed	Click on the 'Instructions' box	The box will expand and instructions are displayed	Y
25	Calendar - Standard User	Instructions are displayed	Complete test 24. Click on the 'Instructions' box	The box will shrink back to the state it was before test 24	Y

26 Calendar - Standard User	The user can navigate upto 3 months in advance	Using the arrows at the top of the calendar. Navigate to 3 months from the current date	The days which are over 3 months are disabled, and the user can not modify any shifts for those. Trying to navigate past 3 months (in view) will be prevented. A message box will appear	Y
27 Calendar - Admin User	Instructions are displayed	Click on the 'Instructions' box	The box will expand and instructions are displayed	Y
28 Calendar - Admin User	Instructions are displayed	Complete test 24. Click on the 'Instructions' box	The box will shrink back to the state it was before test 27	Y
29 Calendar - Admin User	All staff shifts are displayed	Login and view the calendar page	All shifts for all staff members are displayed on the calendar. Displaying Level and Name	Y
30 Calendar - Admin User	Shift Count	Click 'Shift Count' when the display is in Month View	The box expands and a message is displayed instructing the user to enter week view to see which shifts each staff member is missing	Y
31 Calendar - Admin User	Shift Count displays how many shifts each staff member is working	Click 'Shift Count' when the display is in Week View	The box expands and a list of all staff members is displayed. Next to each staff member is a count for how many shifts they are missing. 0 represents 5 shifts being worked. Negative represents the amount of missing shifts	Y
32 Calendar - Admin User	Shift Count displays how many shifts each staff member is working	When viewing the Shift Count in week view. Use the navigation arrows and view a different week.	The shift values should update to represent the current week.	Y
33 Calendar - Admin User	Shift count box display	When the 'Shift Count' box is expanded. Click the box again	The box should disappear	Y
34 Calendar - Admin User	Admin can delete a shift	Click on a staff shift that is already in the calendar	A confirm message will appear. Deleting the shift if confirm is accepted. This does not respect the constraints imposed by the shift guidelines	Y
35 Calendar - Admin User	Admin can add shifts	Click on a day.	A new popup will appear displaying all staff members. Staff which are already working the selected day will have a checked tickbox next to their name	Y
36 Calendar - Admin User	Admin can add shifts	After test 35: Check a tick box next to a user	The user will be added to that day's shifts	Y
37 Calendar - Admin User	Admin can delete a shift	After test 35: Uncheck a tick box next to a user	The user will be removed from that day's shifts	Y
38 Calendar - Admin User	Admin can Add & Delete shifts in Bulk	Repeat test 36 & 37 for multiple staff on the same day	Each checked staff will be added. Each unchecked staff will be removed from the day's shifts	Y
39 Calendar - Admin User	Admin can Add & Delete shifts more than 3 months in advance	Navigate to more than 3 months in advance	No error messages are displayed preventing the Admin user from viewing more than 3 months in advance	Y
40 Calendar - Admin User	Admin can Add & Delete shifts more than 3 months in advance	Repeat tests 35, 36, 37, and 38	No error messages are displayed preventing the Admin user from viewing more than 3 months in advance	Y
41 Calendar - Standard User	Messages are displayed to the user after Admin have made modifications to their shifts	After making modifications to staff shifts with the Admin account. Log in as a non-admin user.	A green box will be displayed to the user, listing the days in which Admin have added shifts	Y
42 Calendar - Standard User	Messages are displayed to the user after Admin have made modifications to their shifts	After making modifications to staff shifts with the Admin account. Log in as a non-admin user.	A blue box will be displayed to the user, listing the days in which Admin have deleted shifts	Y
43 Calendar - Standard User	Messages are displayed to the user after Admin have made modifications to their shifts	Add and remove multiple shifts for a single user, on a single day (with the Admin account). Login as a standard user	Test 41, and 42 will still pass. With no duplicate dates in the individual boxes. i.e. 5 shifts added for the same day won't display the same entry 5 times, only one will be presented. The same for deleted.	Y
44 Calendar - Admin User	Ensure that the Copy & Paste functionality works correctly	Login as the admin user. Click on a day that has staff shifts on, and click Copy. Click on a day that you want to shift copied onto. Click Paste	The day which Paste was clicked on, will match the shifts that were on the original day that was copied.	Y
45 Calendar - Standard User	Ensure that the calendar view is displayed correctly	When logged in as the standard user, the calendar view should match that described in the assignment brief.	4 full weeks should be displayed, commencing with the following Monday (it should not be possible to see the current week)	Y