

Task 2: Test log

Login and Sign-up

I have written a lot of tests for the Login and Sign-up system as security here is the highest priority as student and teacher information could be at risk.

Description of test	Test data to be used (if required)	Expected outcome	Actual outcome	Comments and intended actions
To see if the incorrect password system works properly	Enter an invalid password 4 times	User should be able to create, log in and log out of their account without error	User can create an account, log in and log out without error.	Pass, no errors encountered.
To see if a user can register with an invalid password (too short or too long)	Submit with an empty password or with a password that's too long	Password icon should turn orange and text should read: "Password entered is invalid"	Icon changes colour which shows that the password is being verified but text does not change from default text.	Fail, Text should have changed to indicate the issue.
To see if, when incorrect details are given, Correct error details are displayed	Enter an invalid password	Icons for invalid fields should turn orange and text at the top of the form should change to indicate the error(s)	Icons for invalid fields turn orange and text at the top of the form changes to indicate the error(s), with exception to the above issue.	Pass, works mostly as intended, apart from issue stated above.

To see if a user can log in given correct details	Correct Email and Password entered	Should log in successfully and redirect to the dashboard	User is logged in and redirected to a welcome page with a button to continue to the dashboard.	Pass, No problems
To see if a user can log in, log out and register with the service	Create an account and log in, then, log out	User should be able to create, log in and log out of their account without error	User can create an account, log in and log out without error.	Pass, No problems
To see if a student or teacher can create an account	A valid email, password, and full name	User should be created successfully and redirect to the login screen	User is created and redirected to a slightly different welcome screen	Pass, No problems

Other tests

Description of test	Test data to be used (if required)	Expected outcome	Actual outcome	Comments and intended actions
To see if modals can be created and displayed using jQuery AJAX, PHP and the BladeOne template engine	Click on a task entry to open the modal	Modal should be created with all correct data and be sent to the client using jQuery's \$.ajax() method	Task modal content is generated dynamically using an AJAX post system I have written.	Pass, No problems
To see if a user can navigate between pages smoothly	Click on a link to a different page	Current page should fade out and new page should fade in	Page will fade out, then, the new page will load and fade back in.	Pass, No problems

To see if a student can view, fill out and complete a task.	Submit task with one correct answer and the rest random.	Page should reload and task should now be in the feedback panel with the text "Awaiting Feedback" next to it.	Page fades on reload, task is moved to the feedback section and points are added in the leader board accordingly	Pass, No problems
To see if an appropriate error is displayed when a task is run without a corresponding entry file	Attempt to start task without an entry on the server	Page should display a user-friendly error message "This task could not be started, please try again later" preferably, the task would be greyed out after this.	Verbose PHP error is displayed.	Fail, Should have added error handling.

Add more rows and tables as required.