

Sr. No.	Testcase	No.	Sub-Case	Description	Result
1	Login Page	1	Username	Username should be case sensitive	Pass
		2	Username	Username accepts strings	Pass
		3	Username	Username accepts numbers	Pass
		4	Username	Username should not be empty	Pass
		5	Password	Password should be masked	Pass
		6	Password	Password accepts string	Pass
		7	Password	Password accepts numbers	Pass
		8	Password	Password should be case sensitive	Pass
		9	Password	Password should not be empty	Pass
		10	Password	Wrong password error shown on page	Fail
		11	Password	Forgot password is working	Fail
		12	Title	Title should not be clockable	Pass
		13	Title	Title should be in center	Pass
		14	Login Button	Button should be clickable	Pass
		15	Login Button	Button should redirect to status page on valid username, password	Pass
		16	Page	Username and password boxes should be in center	Pass
		17	Page	Should not allow access to other pages through url modification	Pass
		18	Page	Query injection (like SQL injection) should not work	Pass
		19	Page	Proper page title should be present	Pass
		20	Page	Page should adjust with respect to resolution	Pass
2	Status Page	1	Drop-Down Menu	Menu is clickable	Pass
		2	Drop-Down Menu	Menu opens on click if closed previously	Pass
		3	Drop-Down Menu	Menu closes on click if open previously	Pass
		4	Drop-Down Menu	Changing active menu closes others	Pass
		5	Drop-Down Menu	"ON" menu should be coloured green when active	Pass
		6	Drop-Down Menu	"FAILED" menu should be coloured red when active	Pass
		7	Drop-Down Menu	"IDLE" menu should be coloured blue when active	Pass
		8	Drop-Down Menu	Inactive menus should not be coloured	Pass
		9	Drop-Down Menu	Menus should adjust width with respect to resolution	Pass
		10	Status Radio-Buttons	Radio buttons should be displayed for active menu	Pass
		11	Status Radio-Buttons	On click, local server should log corresponding data	Pass
		12	Status Radio-Buttons	On click, Main server should be sent corresponding data	Pass
		13	Status Radio-Buttons	Data should not be logged if active radio button is clicked again	Pass
		14	Active Status Text	Text should be green if radio button under "ON" is selected	Pass
		15	Active Status Text	Text should be red if radio button under "FAILED" is selected	Pass
		16	Active Status Text	Text should be blue if radio button under "IDLE" is selected.	Pass

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		17	Active Status Text	Text should be "ACTIVE" in green colour if no radio	Pass
		18	Active Status Text	Text should resize automatically based on resolution	Pass
		19	Miscellaneous	History button should show history of chosen radio-buttons	Fail
3	Search Page	1	Search	Search should accept multiple string with spaces.	Pass
		2	Search	Search should accept number.	Pass
		3	Search	Search field should not be empty.	Pass
		4	Search	Search button should be clickable.	Pass
		5	Search	Search should work on clicking enter key from keyboard.	Pass
		6	Search	Search page should be responsive.	Pass
		7	Search	On small devices dropdown should be clickable and show all hidden links.	Fail
		8	Search Result	Search result page should be responsive.	Pass
		9	Search Result	Search result should show in a sorted order (Similarity to entered value).	Pass
		10	Search Result	Search result should show case insensitive matches also.	Pass
		11	Search Result	If no search result found user should be notified.	Pass
		12	Search Result	User can search again from result page.	Pass
		13	Search Result	Search results should be clickable to get details about that result.	Pass
		14	Search Result	On small devices dropdown should be clickable and show all hidden links.	Pass
		15	Search Result	There should be a link to go to search home page.	Pass
		16	Search Result Details	Search result details page should be responsive.	Pass
		17	Search Result Details	Search Result Details page should show all data related to that machine.	Pass
		18	Search Result Details	User can search again from details page.	Pass
		19	Miscellaneous	Should not allow access to other pages through url modification	Pass
		20	Miscellaneous	Proper page title should be present	Pass
4	Navigation Bar	1	Navigation Bar	"ISW" text should be displayed on left hand side of bar	Pass
		2	Navigation Bar	Clicking "ISW" should redirect user to status page	Pass
		3	Navigation Bar	"Home" text should be displayed to the right of "ISW" text	Pass
		4	Navigation Bar	Clicking "Home" should redirect user to status page	Pass
		5	Navigation Bar	Logout option should log out user and redirect to login page	Pass
		6	Navigation Bar	Navigation Bar should appear in all pages	Pass
5	Server Communication	1	Socket Connect	When ISW Server is active, local server should automatically connect	Pass
		2	Login Request	Login Request is forwarded to ISW Server and Authenticated	Pass
		3	Login Request	When ISW Server is offline, Login Request are not processed	Pass
		4	Login Request	Login Information is displayed on Terminal	Pass
		5	Machine Status	Any Machine Status update is sent to ISW Server and echoed on Terminal	Pass

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		6	Misc	Error occurred due to a single user is not propagated to different users	Pass
		7	Machine Status	Simultaneous change in state of a single machine does not result in error	Pass
		8	Prediction	When local server is online, Prediction data is sent and output displayed	Pass
		9	Prediction	Errors are echoed in terminal if Prediction fails	Pass
		10	Connection	Automatically reconnects if connection failed/terminated	Fail
		11	Local Server	Prevents Direct Access to HTML files	Pass
		12	Local Server	Prevents Un-Authorized Access to Webpages	Pass
		13	Local Server	Automatically redirects if un-authorized access is detected	Pass
		14	Local Server	Stores Cookie Session until browser is closed	Pass
		15	Local Server	Verifies Cookies before login and access to machine page	Pass
		16	Local Server	Prevents Caching of Webpage	Pass
		17	Local Server	Forces ReValidation of every Webpage	Pass
		18	Local Server	Prevents Browser from storing snapshot of previous page	Pass
6	Machine Learning	1	Test Case Generator	Show Error if required Files not found in correct directory	Pass
		2	Test Case Generator	Load medium-sized training Data Set	Pass
		3	Test Case Generator	Handle Big Data properly	Fail
		4	Linear Regression	Show Error if required Files not found in correct directory	Pass
		5	Linear Regression	Show Optimization Result	Pass
		6	Linear Regression	Show final cost / weight matrix	Pass
		7	Linear Regression	Show Original Data vs Predicted Data	Pass
		8	Linear Regression	Handle Optimzation Errors	Pass
		9	Linear Regression	Calculate Mean Squared Error	Pass
		10	Linear Regression	Handle memory overflow for bigger training set (L-BFGS only)	Pass
		11	Linear Regression	Handle memory overflow for bigger training set (BFGS / Nelder Mead)	Fail
		12	KNN	Show Error if required Files not found in correct directory	Pass
		13	KNN	Show Original Data vs Predicted Data	Pass
		14	KNN	Calculate Mean Squared Error	Pass
		15	KNN	Allow on-the-fly addition of training data	Fail