

Software Testing Documentation	Group - 6	
	<p><i>Centralized software package for 'Sophisticated instrumentation centre' lab</i></p>	<p><b>Submitted By-</b></p> <p>Radhakishan 1200125 Rahul Pandya 1200122 Aman doshi 1200102 Vishwas Jain 1200139</p>
		<p>Test Designed date: 14th April</p> <p>Test Execution date: 12th April</p> <p>Release version: v0.3.3</p>

<b>Oracle:</b>	The tester himself is the Oracle for these test cases and in general, the software is expected to have the properties mentioned for which they are tested.
<b>Details:</b>	<p>Total Size of the Website: 1.04MB</p> <p>Total no of Internal Links: 48</p> <p>Total no. of external links: 1</p> <p>Max Loading time of any single webpage: 4.0 sec</p> <p>Time taken in sending E-mail: 4.0 sec</p>

Group	Specific Requirement	Test Cases	Test Result/Status
	All webpages should have proper content display.	1.Check each web page in browser.Displayed content should be clutter free ( no font mismatches, proper text alignments, full image displays and proper navigation) . 2. There must be links to return to specific pages (e.g. home page ) in every page with a specific functionality. Each page should have enough spacing for easy navigation and user input, if required. 3.Test groups of related pages for consistency in their design (CSS) applied, in terms of display. 4.Check if any of the pages have broken/non-functional links. 5.Check that all pages have a title and are left justified.	1- Pass  2- Pass  3- Pass  4- Pass  5- Pass
	Cross Browser Compatability	1.Test the website in Torch, IE10, Chrome and Firefox Browsers. 2. Check if all features of web pages are rendered in correct format (e.g. CSS properties etc). 3. Website must work properly in some older browser versions also (check for IE8, Firefox 3.6 ).	1- Pass  2- Pass  3- Fail

## User Interface Based Requirements

Proper Web Forms	1.Check if all the web forms are properly formatted.	1- Pass
	2. There must be autofocus elements in each webform to guide users.	2- Pass
	3.Check if proper placeholders are used in case multiple input types/formats exist.	3- Pass
	4.Check if proper input types are used for specific data (e.g. radio buttons for choices).	4- Pass
	5.Check if proper validation messages are displayed to the user upon successful/unsuccessful form submission.	5- Pass
	6. Check that upon click of any input text field, mouse arrow pointer should get changed to cursor.	6- Pass

Specific Requirements base Interfaces	1.Check if major admin functionalities have direct links from the homepage.	1- Pass
	2.Check for supported file types in image upload and file upload functionalities.	2- Pass
	3.Check it Profile picture is displayed properly	3- Pass

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## Database Related Requirements

Logical Database Requiremnts	1.Check if all the databases have been set up and are working.	1- Pass*
	2.Check if all tables have a primary key column and that null values are not allowed for primary key columns.	2- Pass
	3.Check if all the data inputs are properly saved without any truncation.	3- Pass
	4.Check numeric fields with maximum, minimum and float values.	4- Pass
	5.Check if radio buttons,drop down input data types are saved properly in the database.	5- Pass
	6.Check if the database allows reading,querying,writing and modifying contents easily.	6- Pass*
	7.Check if the connections to the database are set up in a separate file (to ensure modularity in database connections).	7- Fail
	8.Check if all the database connections are properly configured.	8- Pass
	9.Check if all the database connections are closed upon exit by the user.	9- Pass

\* field implies not tested on Institute Server

Search and Query Functionalities	1.All search based functionalities must have some filtering parameters and input fields which must be validated before the query is run.
	2.Check if all search results must be displayed properly in in tables.

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## Accessibility and Security Related Requirements

Login and Logout Functions	1. Check if the input fields in the login form have mandatorily filled and that there are error messages or tooltips if any field is left blank.	1.Pass
	2.Check if both successful or unsuccessful login attempts provide appropriate messages/error messages.	2.Pass
	3.The input fields in the login pages must be tested for : a. Blank input fields,character codes,float values b. SQL Injection attempts (or even an admin--input)	3.Pass (All possible input types tested)
	4.There must be an authentication for each page accessed by the logged in user (session management for each user upon login).	4.Pass
	5.There must be a redirection to the index page upon logout.	5.Pass

User Input Handling	1. Check if all the user inputs are properly validated.	1.Pass
	2. Check if the trailing and subsequent spacing in data inputs are removed before storing in database.	2.Fail

Forgot Password Functionality	1. Check if appropriate number of details are included for proper matching of user data.	1.Fail
	2.Check if the reset requests are deleted upon admin approval.	2.Pass
	3.Check if the requests can be processed in bulk ( scale to hundreds of requests ).	3.Pass

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## Mailing and Communications Related Requirements

Send Mail Functionality	1. Check if SMTP is properly configured on the server.	1.Pass
	2. Check if the body of the message is properly wrapped.	2.Pass
	3. Check if multiple receipients at the same time is working.	3.Pass
	4.Check if the mail is working with different email clients such as Gmail, Outlook, Yahoo, IIT-I.	4.Pass
	5.Check sending high volume mails to test performance.	5.Pass
	6.Check if appropriate placeholders are used in mail forms.	6.Pass
	7.Check if there is a log of sent mails.	7. Pass

Profile Visibility System	1. Ensure that a visibility request cannot be sent to self.	1. Pass
	2. Reloading/refreshing a page does not cause errors or duplicate requests.	2. Pass

Events	1. Check if reloading page causes duplicate events.	1. Pass
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General and Performance Related	Website Performance	<div>1.Check if the page load/response time for each page is within the limits set in the SRS.</div> <div>2.Check if the page size of any webpage is within the limit set in the SRS.</div> <div>3.Check the website response upon improper navigation,heavy load and very slow connections.</div> <div>4.Check if the website uses any platform specific feature (e.g. a browser extension).</div>	<div>1.Pass(Max 4 sec)</div> <div>2.Pass(Max 9,366 bytes)</div> <div>3.Not Tested</div> <div>4.No such feature used</div>
	<a href="#">SRS Document Link</a>		