

System Testing

Outline of test procedure

Test series	Test series objectives	Type of testing
	Browse each page using each user type (see system maintenance - visuals and explanations of the computerised system)	Top-down
	Test inputs in each user input field and using each user type	Bottom-up
	Test each component of the program to verify it is working correctly	Dry-run, white box

Detailed test plan

Test series	Inputs, outputs tested	Sub-component tested	User type	Description	Test data	Expected result	Actual result	Input evidence	Output evidence
2.0.1	LoginPage, LoggedInPage	UserLogin	Student	normal data	A to Z	accepted	accepted	2-001a	2-001b
		UserLogin	Student	normal data	a to z	accepted	accepted	2-001a	2-001b
		UserLogin	Student	normal data	0 to 9	accepted	accepted	2-001a	2-001b
		UserLogin	Student	boundary data	special characters, including accents	accepted	accepted	2-002a	2-002b
		UserLogin	Student	erroneous data	apostrophes, quotation marks	rejected	rejected	2-003a	2-003b

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2.0.2	AddMeetingPage, ViewMeetingPage	UserPassword	Student	normal data	A to Z, 'Password01'	accepted	accepted	2-001a	2-001b
		UserPassword	Student	normal data	A to Z, 'Password01'	accepted	accepted	2-001a	2-001b
		UserPassword	Student	normal data	0 to 9, 'Password01'	accepted	accepted	2-001a	2-001b
		UserPassword	Student	boundary data	special characters, including accents, 'áéíóú€\$£'	accepted	accepted	2-002a	2-002b
		UserPassword	Student	erroneous data	apostrophes, 'st'spass'	rejected	rejected	2-003a	2-003b
		UserType	Student	normal data	Student selection	accepted	accepted	2-001a	2-001b
		UserType	Parent	normal data	Parent selection	accepted	accepted	2-004a	2-004b
		UserType	Mentor	normal data	Mentor selection	accepted	accepted	2-005a	2-005b
		day	Mentor	normal data	day which exists within given month	accepted	accepted	2-006a	2-006b
		day	Mentor	boundary data	first day in month	accepted	accepted	2-007a	2-007b
		day	Mentor	boundary data	last day in month	accepted	accepted	2-008a	2-008b
		day	Mentor	erroneous data	day which does not exist within given month	rejected	rejected	2-009a	2-009b
		day	Mentor	erroneous data	no input	rejected	rejected	2-010a	2-010b
		month	Mentor	normal data	January	accepted	accepted	2-006a	2-006b
		month	Mentor	boundary data	September	accepted	accepted	2-007a	2-007b
		month	Mentor	boundary data	June	accepted	accepted	2-008a	2-008b

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2.0.3	EditMeetingPage, ViewMeetingPage	month	Mentor	erroneous data	no input	rejected	rejected	2-011a	2-010b
		StudentID	Mentor	normal data	any student	accepted	accepted	2-006a	2-006b
		StudentID	Mentor	erroneous data	no input	rejected	rejected	2-012a	2-010b
		day	Mentor	normal data	day which exists within given month	accepted	accepted	2-013a	2-013b
		day	Mentor	boundary data	first day in month	accepted	accepted	2-014a	2-014b
		day	Mentor	boundary data	last day in month	accepted	accepted	2-015a	2-015b
		day	Mentor	erroneous data	day which does not exist within given month	rejected	rejected	2-016a	2-016b
		day	Mentor	erroneous data	no input	rejected	rejected	2-017a	2-017b
		month	Mentor	normal data	January	accepted	accepted	2-013a	2-013b
		month	Mentor	boundary data	September	accepted	accepted	2-014a	2-014b
		month	Mentor	boundary data	June	accepted	accepted	2-015a	2-015b
		month	Mentor	erroneous data	no input	rejected	rejected	2-018a	2-017b
		StudentID	Mentor	normal data	any student	accepted	accepted	2-013a	2-013b
		StudentID	Mentor	erroneous data	no input	rejected	rejected	2-019a	2-017b
2.0.4	AddTargetPage, ViewTargetPage	TargetUserType	Mentor	normal data	Student	accepted	accepted	2-020a	2-020b
		TargetUserType	Mentor	normal data	Parent	accepted	accepted	2-021a	2-021b
		TargetUserType	Mentor	normal data	Mentor	accepted	accepted	2-022a	2-022b

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TargetUserType	Mentor	erroneous data	no input	rejected	rejected	2-032a	2-032b
UserTarget	Mentor	normal data	A to Z	accepted	accepted	2-020a	2-020b
UserTarget	Mentor	normal data	a to z	accepted	accepted	2-020a	2-020b
UserTarget	Mentor	normal data	0 to 9	accepted	accepted	2-020a	2-020b
UserTarget	Mentor	normal data	spaces	accepted	accepted	2-020a	2-020b
UserTarget	Mentor	boundary data	special characters, including accents	accepted	accepted	2-023a	2-023b
UserTarget	Mentor	erroneous data	apostrophes, quotation marks	rejected	accepted	2-026a	2-026b
UserTarget	Mentor	erroneous data	no input	rejected	rejected	2-033a	2-032b
MentorComment	Mentor	normal data	A to Z	accepted	accepted	2-020a	2-020b
MentorComment	Mentor	normal data	a to z	accepted	accepted	2-020a	2-020b
MentorComment	Mentor	normal data	0 to 9	accepted	accepted	2-020a	2-020b
MentorComment	Mentor	normal data	spaces	accepted	accepted	2-020a	2-020b
MentorComment	Mentor	boundary data	special characters	accepted	accepted	2-023a	2-023b
MentorComment	Mentor	erroneous data	apostrophes, quotation marks	rejected	accepted	2-027a	2-027b
MentorComment	Mentor	normal data	no input	accepted	accepted	2-036a	2-036b
day	Mentor	normal data	standard day value	accepted	accepted	2-020a	2-020b
day	Mentor	normal data	later day in current month	accepted	accepted	2-028a	2-028b
day	Mentor	boundary data	current day in current month (24th April)	accepted	accepted	2-024a	2-024b
day	Mentor	boundary data	final day in final month	accepted	accepted	2-025a	2-025b
day	Mentor	erroneous data	non-existent day in given month (32 May)	rejected	rejected	2-029a	2-029b

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2.0.5	EditTargetPage, ViewTargetPage	day	Mentor	erroneous data	previous day in current month (1 April)	rejected	rejected	2-030a	2-030b
		day	Mentor	erroneous data	day with a higher value than current, earlier month	rejected	rejected	2-031a	2-030b
		day	Mentor	erroneous data	no input	rejected	rejected	2-034a	2-032b
		month	Mentor	normal data	later month, lower day value than current (April)	accepted	accepted	2-020a	2-020b
		month	Mentor	normal data	later day in current month	accepted	accepted	2-028a	2-028b
		month	Mentor	boundary data	final day in final month	accepted	accepted	2-025a	2-025b
		month	Mentor	erroneous data	Earlier month than current	rejected	rejected	2-031a	2-030b
		month	Mentor	erroneous data	no input	rejected	rejected	2-035a	2-032b
		TargetUserType	Mentor	normal data	Student	accepted	accepted	2-037a	2-037b
		TargetUserType	Mentor	normal data	Parent	accepted	accepted	2-038a	2-038b
		TargetUserType	Mentor	normal data	Mentor	accepted	accepted	2-039a	2-039b
		TargetUserType	Mentor	erroneous data	no input	rejected	rejected	2-048a	2-048b
		UserTarget	Mentor	normal data	A to Z	accepted	accepted	2-037a	2-037b
		UserTarget	Mentor	normal data	a to z	accepted	accepted	2-037a	2-037b
		UserTarget	Mentor	normal data	0 to 9	accepted	accepted	2-037a	2-037b
		UserTarget	Mentor	boundary data	special characters, including accents	accepted	accepted	2-040a	2-040b

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UserTarget	Mentor	erroneous data	apostrophes, quotation marks	rejected	accepted	2-041a	2-041b
UserTarget	Mentor	erroneous data	no input	rejected	rejected	2-049a	2-048b
MentorComment	Mentor	normal data	A to Z	accepted	accepted	2-037a	2-037b
MentorComment	Mentor	normal data	a to z	accepted	accepted	2-037a	2-037b
MentorComment	Mentor	normal data	0 to 9	accepted	accepted	2-037a	2-037b
MentorComment	Mentor	boundary data	special characters, including accents	accepted	accepted	2-040a	2-040b
MentorComment	Mentor	erroneous data	apostrophes, quotation marks	rejected	accepted	2-041a	2-041b
MentorComment	Mentor	normal data	no input	accepted	accepted	2-052a	2-052b
day	Mentor	normal data	standard day value	accepted	accepted	2-037a	2-037b
day	Mentor	normal data	later day in current month	accepted	accepted	2-042a	2-042b
day	Mentor	boundary data	current day in current month (24th April)	accepted	accepted	2-043a	2-043b
day	Mentor	boundary data	final day in final month	accepted	accepted	2-044a	2-044b
day	Mentor	erroneous data	non-existent day in given month (32 May)	rejected	rejected	2-045a	2-045b
day	Mentor	erroneous data	previous day in current month (1 April)	rejected	rejected	2-046a	2-046b
day	Mentor	erroneous data	day with a higher value than current, earlier month	rejected	rejected	2-047a	2-046b
day	Mentor	erroneous data	no input	rejected	rejected	2-050a	2-048b

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2.0.6	CommentPage, ViewTargetPage	month	Mentor	normal data	later month, lower day value than current (April)	accepted	accepted	2-037a	2-037b
		month	Mentor	normal data	later day in current month	accepted	accepted	2-042a	2-042b
		month	Mentor	boundary data	final day in final month	accepted	accepted	2-044a	2-044b
		month	Mentor	erroneous data	Earlier month than current	rejected	rejected	2-047a	2-047b
		month	Mentor	erroneous data	no input	rejected	rejected	2-051a	2-048b
		TargetMetYet	Mentor	normal data	Yes	accepted	accepted	2-052a	2-052b
		TargetMetYet	Mentor	normal data	No	accepted	accepted	2-037a	2-037b
		Student-Comm ent	Student	normal data	A to Z	accepted	accepted	2-053a	2-053b
			Student	normal data	a to z	accepted	accepted	2-053a	2-053b
			Student	normal data	0 to 9	accepted	accepted	2-053a	2-053b
			Student	boundary data	special characters, including spaces and accents	accepted	accepted	2-054a	2-054b
			Student	erroneous data	quotation marks, apostrophes	rejected	comment discarded but user redirected	2-055a	2-055b
		ParentComment	Parent	normal data	A to Z	accepted	accepted	2-056a	2-056b
			Parent	normal data	a to z	accepted	accepted	2-056a	2-056b
			Parent	normal data	0 to 9	accepted	accepted	2-056a	2-056b
			Parent	boundary data	special characters, including spaces and accents	accepted	accepted	2-054a	2-057b

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2.0.7	SearchContactPage	MentorComment	Parent	erroneous data	quotation marks, apostrophes	rejected	comment discarded but user redirected	2-055a	2-058b
			Mentor	normal data	A to Z	accepted	accepted	2-059a	2-059b
			Mentor	normal data	a to z	accepted	accepted	2-059a	2-059b
			Mentor	normal data	0 to 9	accepted	accepted	2-059a	2-059b
			Mentor	boundary data	special characters, including spaces and accents	accepted	accepted	2-054a	2-060b
			Mentor	erroneous data	quotation marks, apostrophes	rejected	comment discarded but user redirected	2-055a	2-061b
2.0.7	SearchContactPage	RequestedUser-FirstName	Student	normal data	A to Z, a to z	display any results matching input	display all results containing letters, not accent-sensitive or case-sensitive	2-065a	2-065b
			Student	normal data	no input	field ignored in search	field ignored in search	2-063a	2-063b
			Student	boundary data	Accents	display any results matching input	display all results containing letters, not accent-sensitive or case-sensitive	2-064a	2-064b
		RequestedUser-Surname	Student	normal data	A to Z, a to z	display any results matching input	display all results containing letters, not accent-sensitive or case-sensitive	2-065a	2-065b
			Student	normal data	no input	field ignored in search	field ignored in search	2-063a	2-063b

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RequestedUser-ID	Student	boundary data	Accents	display any results matching input	display all results containing letters, not accent-sensitive or case-sensitive	2-064a	2-064b
	Student	normal data	any number	use specified integer as ID number to search	integer used to return results through search method	2-071a	2-071b
	Student	normal data	no input	field ignored in search	field ignored in search	2-063a	2-063b
	Student	boundary data	minimum ID, 1	only the ID value 1 is included in the search, in this case appearing in all ID values containing 1	only the ID value 1 is included in the search, in this case appearing in all ID values containing 1	2-066a	2-066b
	Student	boundary data	maximum ID, 999	only the ID value 999 is included in the search, in this case appearing in all ID values containing 999	only the ID value 999 is included in the search, in this case appearing in all ID values containing 999	2-067a	2-067b
firstnamefind	Student	erroneous data	non-integers	no results returned	no results returned	2-068a	2-068b
	Student	normal data	beginning with...	search any first name beginning with specified text	all names beginning with set text returned	2-069a	2-069b
	Student	normal data	ending with...	search any first name ending with specified text	all names ending with set text returned	2-070a	2-070b
	Student	normal data	containing...	search any first name containing specified text	all names containing set text returned	2-071a	2-071b

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surnamefind	Student	normal data	beginning with...	search any surname beginning with specified text	all names beginning with set text returned	2-069a	2-069b
	Student	normal data	ending with...	search any surname ending with specified text	all names ending with set text returned	2-070a	2-070b
	Student	normal data	containing...	search any surname containing specified text	all names containing set text returned	2-071a	2-071b
idfind	Student	normal data	exactly the number specified	search and return any result with exact specified ID	any result matching specified ID is returned	2-072a	2-072b
	Student	normal data	containing the number	search and return any result containing specified ID	any results containing specified ID is returned	2-071a	2-071b
StudentForm	Parent	normal data	any input	only students from specified form group and without a ParentID in their StudentTable entry are queried	only students from specified form group and without a ParentID in their StudentTable entry are returned	2-074a	2-074b
	Parent	normal data	no input	all students without a ParentID entry are searched	all students without a ParentID entry are returned	2-075a	2-075b

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RequestedUser- Type	Mentor	normal data	any input	only students from specified form group and without a MentorID in their StudentTable entry are queried	only students from specified form group and without a MentorID in their StudentTable entry are returned	2-074a	2-074b
	Mentor	normal data	no input	all students without a MentorID entry are searched	all students without a MentorID entry are returned	2-075a	2-075b
	Parent	normal data	Student	search students from StudentTable	students from StudentTable are returned	2-075a	2-075b
	Mentor	normal data	Student	search students from StudentTable	students from StudentTable are returned	2-075a	2-075b
	Student	normal data	Parent	search parents from ParentTable	All parents from ParentTable returned	2-063a	2-063b
	Student	normal data	Mentor	search mentors from MentorTable	All mentors from MentorTable returned	2-073a	0-273b
	Student	erroneous data	no input	no results returned	Query not searched	2-062a	2-062a