

Date Picker

Test Case Name:	Date Picker User Control (LO 2.0)	Status:	Not Started
Description:	Test date picker functionality and accuracy thoroughly		
Initial Test or Subsequent Run?	Initial Test		
Overall Pass Criteria:	Proper Behavior, Items Created, No Errors		

Name of Tester:		Date:	
Customer and Build/Version:		Time:	
Test Data Used (User Type):			
Comments:	Based on Functional System Requirements Specification Document		

Function	Step	Action	Expected Result	Pass	Fail	N/A	Comments	Issue #
	1	Click on the button icon (text box blank)	The date view of the calendar will popup to the lower right. The view with the date numbers is referred to as the "Date View" See the graphic at the bottom of this sheet.					
	2	Date view appears correctly	Control appears identical to CRM. The center of the gray header should read "Jul 2006" if this is the current month and year). There should be a row of seven cells with letters signifying the days (S,M,T, etc.) The last few days of the previous month should be shown in light gray, the whole set of current month dates should be shown in black, and the first few days of the next month should be shown in light gray. The gray footer should read "Today: mm/dd/yyyy" All text, excepting the day letters (S, M, T, etc) should hover orange and return to it's original color when the mouse moves away.					
	3	Calendar accurately shows the current month's days. Check the location of the 1st (should it be on a Monday, etc). Do this with a variety of months in the current year.	Compare with another calendar. To check information for previous years, go to Wikipedia.org and type the year (e.g. 1986) into the search box to get a calendar of that year.					
	4	Click on the "<" in the upper left	If the displayed month is January, clicking "<" takes you to December (the year should also decrease by one). Clicking "<" on any other month takes you to the previous month. Previous month dates, current month dates, and next month dates all populate correctly, appear the correct colors, and start on the correct days of the week. Check this when the numbers appearing span different years (e.g. displayed month is December or January)					
	5	Click on the ">" in the upper right	If the displayed month is December clicking ">" takes you to January (the year should also increase by one). Clicking ">" on any other month takes you to the next month. Previous month dates, current month dates, and next month dates all populate correctly, appear the correct colors, and start on the correct days of the week. Check this when the numbers appearing span different years (e.g. displayed month is December or January)					
	6	Click on any date number	The date clicked appears in the text box in the format mm/dd/yyyy. Zeros should be added if the month/date is a single digit. The four digit year should appear.					
	7	Click a date that is a single and double digit in every month. Try January 5, January 23, February 2, February 15, etc.	Zeros should be added as needed.					
	8	Do this again, but click a date that is gray (i.e. previous month, next month) Click January 31 when it is shown as a previous date when the displayed month is February, etc. Note: in some cases, no previous dates will appear if the 1st of the displayed month is a Sunday. This is OK. Follow this process for every month.	Dates should appear correctly and zeros should be added as needed.					
	9	Click on the gray footer bar text (Today: mm/dd/yyyy)	The current date should appear in the proper format in the text box. The functionality of the footer does not change - it only ever inserts the actual, real, current date into the text box. Try this in the date view and the month view (to be explained shortly)					
	10	Click the header text ("Jul 2006," for example)	The date view "disappears," and the month view appears. The "Month View" is the twelve cells with month name abbreviations. The header text should change to just the year (e.g. "Jul 2006" to "2006" when clicked on). The "<" and ">" stay the same and the footer remains the same.					
	11	Click on the "<" in the upper left	The year should decrease by one. The months will stay the same					
	12	Click on the ">" in the upper right	The year should increase by one. The months will stay the same					
	13	While the year shown is not the current year (after "<" or ">" have been clicked a few times), select a month.	The date view should reappear with the selected year and month visible. Check the location of the 1st of the month, previous days (years?), and next month days.					
	14	Check a variety of leap years (and non leap years) to see if February is given 29 days or not.	February should have 29 days in a leap year. Leap years are evenly divisible by 4 (e.g. 1992, 1960), except years divisible by 100 (e.g. 1900, 2100, 2200 are not leap years), but years divisible by 400 are leap years (e.g. 2000, 2400). Our code actually accounts for this, so it will work correctly for at least the next 400 years! Please see the following section (row 16) on entering dates into the textbox. It will make this step easier.					
	15	Also, check the number of days in every other month (i.e. September has 30 days, etc.)	30 days - April, June, September, November; 31 days - January, March, May, July, August, October, December					
	16	Enter a date into the text box (NEW FUNCTIONALITY)	Enter a date in the textbox, e.g. 09/24/1986. For simplicity, follow the correct date format for this test. Then, click the button icon. The specified month and year's calendar should appear. Note that the day is not taken into consideration.					
	17	Incorrectly entered date testing: Try the following case examples (more, actually :)) and note the error messages that should appear. Are there any missing possible error cases that you can think of?	Note: A date entered in m/d/yyyy or m/dd/yyyy or mm/d/yyyy format will pass, by design.					

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18	09/24/1986/4 (too many slashes [segments])	Ex1: Improper date format. Proper date format is MM/DD/YYYY, where MM and DD can be one or two digits.			
19	31/21/1986 (month out of range from 1-12)	Ex2: Invalid month. Please enter a month number from 1 to 12 (leading zeros are optional).			
20	09/53/1986 (date out of range [above 31 in this case - this is a catch-all])	Ex3: Invalid date. Please enter a date number from 1 to (30 or 31) - leading zeros are optional.			
21	09/24/86 (error catches all years that are not four digits)	Ex4: Invalid year. Please enter a four-digit year, e.g. 1986.			
22	04/31/1986 (see if date does not exits (if the month does not have 31 days, this does not test February)	Ex5: Invalid date for the given month. The given month only has 30 days.			
23	02/29/1987 (check for invalid February dates. This checks for Feb 29,30,31, etc, and will also throw an error if 29 is entered on a non-leap year. This example should throw the error	Ex6: Invalid date for the given month and/or year. February has 28 days in a normal year and 29 days in a leap year.			
24	Enter in a date with non-numerical characters. Try the month as "rd," the date as "3b", the year as "ega4," and various combinations. Any month/date length that is not 1 or 2 digits should fail, along with any year length that is not 4 digits.	Error message Ex1 should appear.			
25	Using this functionality, it will be easier to test leap years by entering in large years. If you enter 02/29/2400, it's easier to see it's a leap year that way rather than clicking the arrow 394 times!				
26	Click the header text ("2006," for example) in the month view	Nothing should happen except the orange hover. This is by design.			
27	In the Date View, today's date is highlighted in an orange box. Check to make sure it is only the current date, current month, current year.				
28	Also check the current date in the next and previous years.	Only one box in the whole calendar for all possible years should be highlighted. The date shown in the textbox does not have to be highlighted unless the date in the textbox is today's date. July 11 2005 amd July 11 2007 should not be hilighted.			
29	Change the system time of the machine to test this functionality also. Please pay special attention to "today's dates" in December and January.	Highlights should appear correctly on previous month days, current month dates, and next month dates.			
30					Misc. Notes:
	End of Test Case				

