











Drag and Drop Interactions

for use with Images, Containers, Grid Rows, Grid Columns, Lists

		What does the page contain to indicate drag and drop?	What happens when the mouse hovers over the draggable object?	What happens when the mouse is pressed on the draggable object but dragging has not initiated?	What happens when drag starts?	What happens when I drag over a valid drop target?	What happens when I drag over an invalid drop target?	What happens when I drag back to the original position?	What happens when the drop is accepted?	What happens when the drop is rejected?	What happens when dropped over the original position?
OBJECTS		ACTIONS									
		Page Load	Mouse Hover	Mouse Down	Drag Initiated	Drag Over Valid Target	Drag Over Invalid Target	Drag Over Original Position	Drop Accepted	Drop Rejected	Drop On Original Position
	Page	messaging indicating drag an drop functionality, if necessary									
	Cursor										
	Tooltip		click and hold to drag								
	Drag Object	normal	thumb/gripper control may appears on certain objects	object turns gray by 10%	object changes to 80% opacity, drop shadow appears behind object				returns to full opacity	snaps back to original position and returns to full opacity	
	Drag Object Original Position	normal			background turns gray and maintains position until cursor is no longer over container, then adjacent objects move up to fill			background maintains gray and position	returns to original background color	returns to original background color	returns to original background color
	Drop Target	normal				adjacent objects shift to make room for new drag object, target area appears with a black 5% opacity background and a black 10% opacity dotted line; any text, image or button inside of drag target does not darken		adjacent objects shift to make room for new drag object, target area appears with a black 5% opacity background and a black 10% opacity dotted line; any text, image or button inside of drag target does not darken	returns to original background color		

Animation

				target grows by 110% (use grow animation with ease in)			target shrinks down to original size (use shrink animation with ease out)		
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Examples of current implementation:
BSM lists (Angular UI Sortables and Kendo)
SSM Tree (JTree?)
Data Federation (GoJS)