

NI TestStand™ User Interface Controls

National Instruments strongly recommends using the TestStand UI Controls to develop user interface applications. Refer to the *NI TestStand Help* for more information about developing applications with the TestStand UI Controls.

 **Note** Some properties and methods from previous versions of TestStand are obsolete and not listed on this poster.

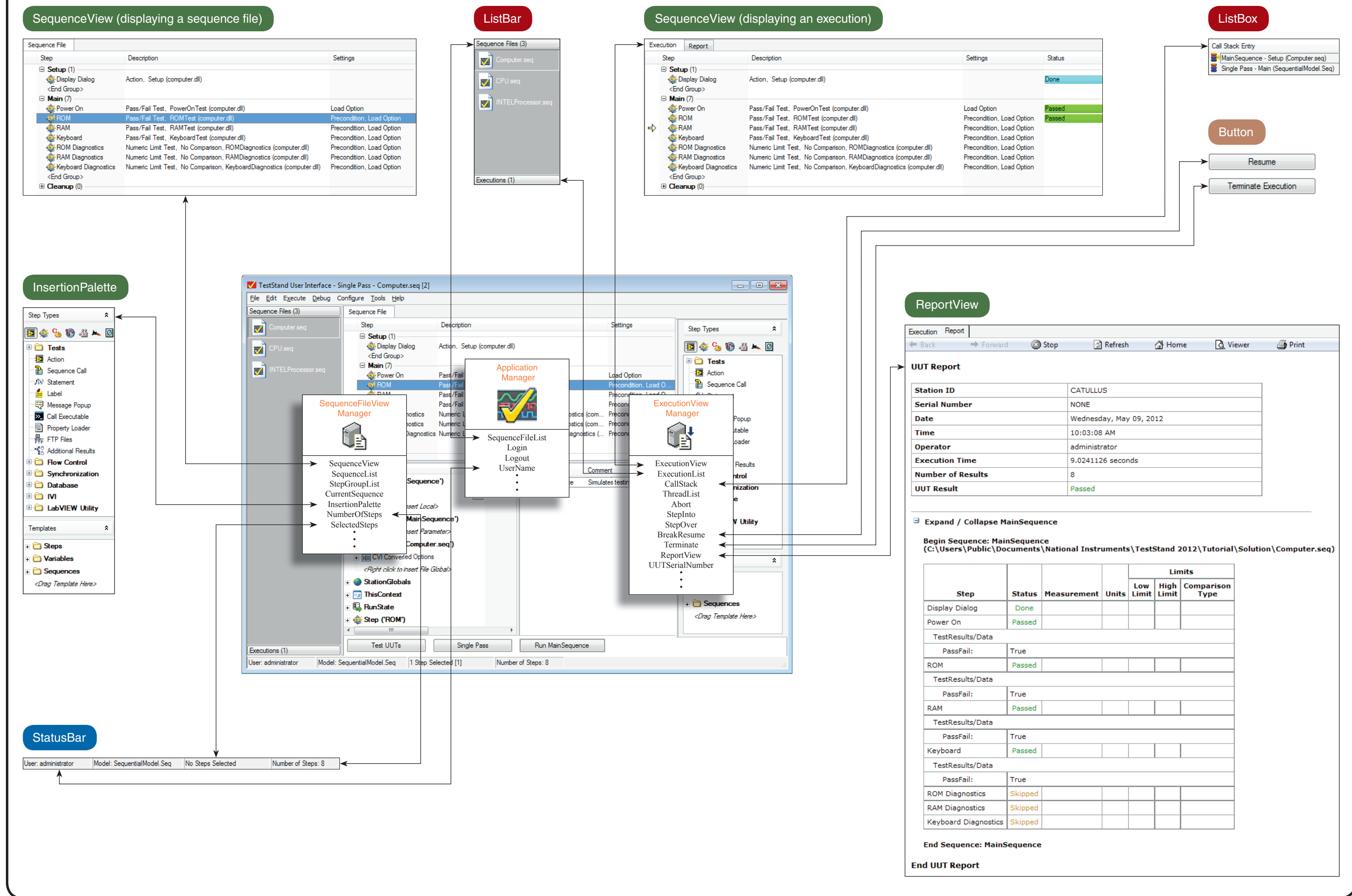
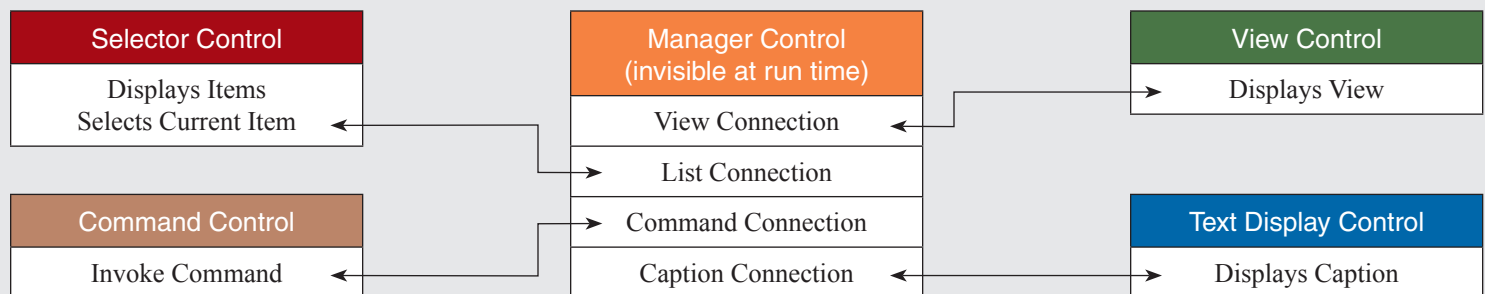
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Connections from manager controls to visible controls are many-to-one. Therefore, you can make the same connection from a manager control to multiple visible controls. The type of manager control and visible control you are connecting determine the specific connections you can make, as shown on the right. Specific examples of these connections are illustrated below.



◆ Control	A visible or invisible ActiveX component you can use on user interface windows.
◆ Object	A programmable software component that represents an instance of a class. You interact with the object using the methods, properties, and events the class defines.
◆ Property	A value that stores and maintains a setting or attribute of an object.
(Read Only)	Properties you can read but not change.
◆ Method	Performs an operation or function on an object.
◆ Event	Method an object invokes to inform a client application of a status or state change.
◆ Collection	An object that contains zero or more objects of the same class.
Collection Class	Denotes a class that has a corresponding collection class. The top (lighter) text represents the collection. The lower (darker) text represents the type of object the collection contains.
Class	Collection class properties and methods are not listed on this poster.
↔	Denotes a connection between a manager control and another control. Information is shared between the two controls. For example, a Button control instructs a manager control to execute a command, whereas the manager control determines when the Button control is dimmed.

ApplicationMgr Properties - ApplicationWillQuitStart (Read Only) - AutomaticallyReloadModifiedFiles - BundleId (Read Only) - ConfigurationFailure - BreakOnStepFailure - CommandArguments (Read Only) - CommandLineCanChangeEditMode - ConfigFile (Read Only) - ConfigFileHash - ConfigurationItems (Read Only) - Connections (Read Only) - CreateEmptySequenceFileOnStart - CurrentErrorMessage (Read Only) - EditModeShortcutKey - EditModeShortCutModifier - EditReadOnlyFiles - ExecutingAnyPoints (Read Only) - ExecutingAnyPoints (Read Only) - ExecutingAnyPoints (Read Only) - ExitCode - ExitInfo - IsLoggingDown (Read Only) - IsStarted (Read Only) - LaunchAgainRunning (Read Only) - LaunchOnStart - LogInRunning (Read Only) - LogOutUsesShellAndXcode - LogRunning (Read Only) - MakeStepNameUnique - MRFiles (Read Only) - ProcessRunning - PromptOrOverwrite - ReloadModifiedFilesInterval - ReloadSequenceFileOnStart - SaveOnClose - SequenceFiles (Read Only) - Undoable - UserData - UserStepListConfigurations Methods - Add_command_line_ArgumentsHelp - BeginEdit - CanEdit - CloseAllExecutions - CloseAllSequenceFiles - CloseExecution - CloseSequenceFile - ConnectAdapterList - ConnectConnection - ConnectCommand - EndEdit - GetAutoCloseSequenceFile - GetCaptionText - GetCommand - GetConfig - GetExecutionViewMgr - GetImageName - GetImageSize - GetRunState - GetSequenceFileViewMgr - GetTerminationStep - GetVisible - LocalizeAllControls - Login - Logout	NewCommands - OpenSequenceFileDialog - RaiseError - RefreshAllViewsMgrs - RefreshInfo - RefreshConfigFile - RefreshInfo - RefreshView - SetAutoCloseExecution - SetVisible - Shutdown - Start - Connections Events - AlertIMessageEvent - BeginEdit - BreakOnRunTimeError - CanEdit - BuildIdChanged - DisplayReport - DisplaySequenceFile - DriftFile - EditModeChanged - EditInfo - EndExecution - ExecutionCompleted - ExitApplication - PreCommandExecute - ProcessNewCommand_line_Arguments - ProcessCloseExecution - OpenCloseSequenceFile - OverReloadSequenceFile - QueryShadow - RefreshWindows - ReportError - RefreshSequenceFileClosing - SequenceFileOpened - ShutdownCancelled - ShutdownCompleted - StartExecution - UIErrorMessageEvent - UserChanged - UserMessage - Wait	ExecutionViewMgr Properties - ApplicationMgr (Read Only) - ConfigurationItems (Read Only) - Connections (Read Only) - Execution - ExecutionAnyPoints (Read Only) - ReplacedExecutionOnClose - RunState (Read Only) - SelectPropertiesObjects (Read Only) - SelectSteps (Read Only) - SequenceContext - StepGroupMode - TerminationState - Thread - UserData Methods - AbortExecution - BreakExecution - BuildIdChanged - BuildInterExecution - ConnectAllBack - ConnectCaption - ConnectCommand - ConnectConnectionList - ConnectExecutionView - ConnectImage - ConnectName - ConnectReportView - ConnectThreadList - ConnectVariables - GetCaptionText - GetCommand - GetImageName - GetNumericValue - LoopOnSelectSteps - NewEditContext - Refresh - RefreshStep - RefreshSteps - RestartExecution - ResumeExecution - RunSelectedSteps - TerminateExecution Events - Break - ContextChanged - DisplayReport - EndExecution - ExecutionChanged - PropertyObjectSelectionChanged - RefreshWindow - RunStateChanged - SelectionChanged - TerminationStateOnClose - ThreadChanged - Trace - UserMessage	SequenceFiles NOTE: The SequenceFiles object is a collection that contains each SequenceFile object located in the <i>NI TestStand API Libraries</i>. For a description of the SequenceFile object. Properties - BuildId (Read Only) - Item (Read Only) Methods - This object has no methods. Events - This object has no events. SequenceFileViewMgr Properties - ApplicationMgr (Read Only) - ConfigurationAnyPoints (Read Only) - Connections (Read Only) - ExecutionItems (Read Only) - ReplacedSequenceFileOnClose - SelectPropertiesObjects (Read Only) - SelectProperties (Read Only) - SelectSteps (Read Only) - Sequence - SequenceFile - StepGroup - StepGroupMode - UndoStack (Read Only) - UserData Methods - BuildIdChanged - BuildInterExecution - ConnectCaption - ConnectCommand - ConnectImage - ConnectInsertionPalette - ConnectSequenceFileList - ConnectSequenceList - ConnectSequenceView - ConnectStepGroupList - ConnectVariables - GetCaptionText - GetCommand - GetImageName - LoopOnSelectSteps - NewEditContext - Refresh - RefreshStep - RefreshSteps - Run - RunSelectedSteps - RunSequenceAndDrop - SequenceFile Events - PropertyObjectSelectionChanged - RefreshWindow - SelectionChanged - SequenceChanged - SequenceFileChanged - SequenceSelectionChanged - StepGroupChanged
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◆ CheckBox Properties BackColor Caption Checked Enabled Font ForeColor FontColor hWnd (Read Only) Image ImageAlign MaskColor ScaleWithDPI TextAlign UseMaskColor Method Location Events Click Connection/Activity KeyDown KeyPress KeyUp MouseMove MouseUp MouseUp	Method GetItemText Events Change Click Connection/Activity DropDown KeyDown KeyPress KeyUp ◆ ListBox Properties BackColor Style Borders (Read Only) ButtonFont ButtonOnSource ButtonStyle ButtonTextColor CurrentPage hWnd (Read Only) IconSize PageFont PageFontSource Pages (Read Only) PageStyle PageTextColor ScaleWithDPI ShowItemCount ShowItemTipStrips ShowScrollbar Methods HitTest Localize Events BorderDragged Connection/Activity CreateContextMenu CursorPageChanged CursorMoved DoubleClick KeyDown KeyUp MouseMove MouseUp	◆ ListBarPages ListBarPage Properties Caption Cursor Enabled Index (Read Only) Items (Read Only) Name Methods This object has no methods. Events This object has no events. ◆ ListBarPageItems ListBarPageItem Properties Caption IconName Index (Read Only) ToolTipText Methods This object has no methods. Events This object has no events. ◆ ListBox Properties AutoSizeColumns BackColor Borders (Read Only) ColumnHeader (Read Only) ColumnSet (Read Only) Count (Read Only) EditingFlags Enabled Font FontSource ForeColor hWnd (Read Only) ItemIndex	ScaleWithDPI ShowLeaders ToolTipVisible Methods EditLabel GetItemText HitTest Events BorderDragged Click ColumnReordered Connection/Activity CreateContextMenu DoubleClick KeyDown KeyPress KeyUp MouseMove MouseUp ◆ ListBoxColumns ListBoxColumn Properties AutoSize Caption (Read Only) Index (Read Only) Width Methods This object has no methods. Events This object has no events.
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