

XViewer - An SWT Widget with the power of the spreadsheet

Wednesday, 11:30
Room 203/204

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Why do we use spreadsheets?

When an individual needs simple organization of data with multiple values that is sortable and filterable, without having to resort to a full database, they resort to a spreadsheet.

SWT/JFace != Spreadsheet... :>(

Why give up spreadsheet
functionality just cause you have
an application?

You don't have to...

XViewer – The Advanced TreeViewer

Type	State	P	C	Assignees	Title	Actionable	User C...	HRID	Created Date	Wt
PeerToPeer Review	Prepare			Joe Smith	Peer Review first set of co...			08T14	03/24/2009 11:32 AM	SA
Decision Review	Followup			Joe Smith	Is the resolution of this Act...			DPRGF	03/24/2009 11:32 AM	
SAW Requirements Wi	Implement	1		Joe Smith	SAW (committed) Reqt Ch...	SAW Requir...	Processes	Z20J8	03/24/2009 11:32 AM	SA
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PeerToPeer Review	Review			Kay Jones; A...	Peer Review algorithm use...			EPQ7L	03/24/2009 11:32 AM	SA
PeerToPeer Review	Prepare			Joe Smith	Peer Review first set of co...			08T14	03/24/2009 11:32 AM	SA
Task	InWork			Kay Jones; J...	Look into Graph View.			G81QZ	03/24/2009 11:32 AM	SA
Task	InWork			Kay Jones; J...	Redesign how view shows ...			3D854	03/24/2009 11:32 AM	SA
Task	InWork			Kay Jones; J...	Discuss new design with Se...			VQPYL	03/24/2009 11:32 AM	SA
Task	InWork			Kay Jones; J...	Develop prototype			ULKXY	03/24/2009 11:32 AM	SA
Task	InWork			Kay Jones; J...	Show prototype to manag...			NWC29	03/24/2009 11:32 AM	SA
Task	InWork			Kay Jones; J...	Create development plan			97BZ5	03/24/2009 11:32 AM	SA
Task	InWork			Kay Jones; J...	Create test plan			6MH4G	03/24/2009 11:32 AM	SA
Task	InWork			Kay Jones; J...	Make changes			P35CX	03/24/2009 11:32 AM	SA
SAW Code Workflow	Implement	1		Joe Smith	SAW (uncommitted) More ...	SAW Code	Processes	GPDBJ	03/24/2009 11:32 AM	SA
PeerToPeer Review	Completed			(Kay Jones; Ale...	Review new logic			HN4QC	03/24/2009 11:32 AM	SA
Task	InWork			Joe Smith	Document how Graph View...			X65RF	03/24/2009 11:32 AM	SA
Task	InWork			Joe Smith	Update help contents			W63MQ	03/24/2009 11:32 AM	SA
Task	InWork			Joe Smith	Review new documentation			TQ5G6	03/24/2009 11:32 AM	SA
Task	InWork			Joe Smith	Publish documentation to ...			FFFBB	03/24/2009 11:32 AM	SA
Task	InWork			Joe Smith	Remove old viewer			Y225T	03/24/2009 11:32 AM	SA
Task	InWork			Joe Smith	Deploy release			JM5M6	03/24/2009 11:32 AM	SA
SAW Requirements Wi	Endorse	4		Joe Smith	tt 230	SAW Requir...	Other	E84LP	03/24/2009 11:29 AM	
Task	InWork			Joe Smith	sfasdf			3226B	03/24/2009 11:29 AM	
SAW Requirements Wi	Implement	1		Joe Smith	SAW (uncommitted-conflict...	SAW Requir...	Processes	K1248	03/24/2009 11:32 AM	SA

Filter: Search: RE | 12 Loaded - 12 Shown - 0 Selected -

XViewer - Sorting

- Single or multi-column sorting
- Sort columns forward or reverse
- Sorting by content type
 - Columns are type specific
 - Sorting automatically handled based on type (String, Date, Double, etc...)
 - Customized types and sorting can be applied

XViewer – Customizations

- Provides table customization dialog to allow customization of visible columns, widths and renaming of columns
- Easily reorder columns through drag/drop or table customization
- Provides mechanism to save and load table customizations so users can easily switch between customizations

XViewer – Customizations - continued

- Provides mechanism to mark table customizations as individual or global to provide sharing of customizations by users and teams (needs to be backed with shared file system or database)
- Provides mechanism to mark table customization as default customization to display whenever this table is shown
- Provides ability for multiple XViewer tables to be used within the same application, but provide their own columns and customizations

XViewer – Filtering

- Quick filter (bottom left) provides for filtering of all visible data by entered keywords
- Alt-left click on column header (or right-click menu) allows for filtering by column. As many column filters can be added and work together.
- Filter string can be stored as personal or global customization



XViewer – Searching

- Quick search (bottom left) provides for searching of string or regular expression
- Search highlights all cells that match expression
- Search string can be stored as personal or global customization



XViewer

- Demo



XViewer – Use

Easy to convert existing TreeViewers over to the XViewer.

- XViewer extends off TreeViewer
- Uses unmodified Content Provider
- Uses slightly modified Label Provider
- All normal TreeViewer capabilities are retained

XViewer – What's next

- I want it now...
 - www.eclipse.org/osee/xviewer for Documentation and Download
 - Download from presentation link
 - See me after for code on flash drive
- Soon available via to Nebula
 - Accepted as committer
 - Awaiting commit of source
- Open for collaboration & contributions