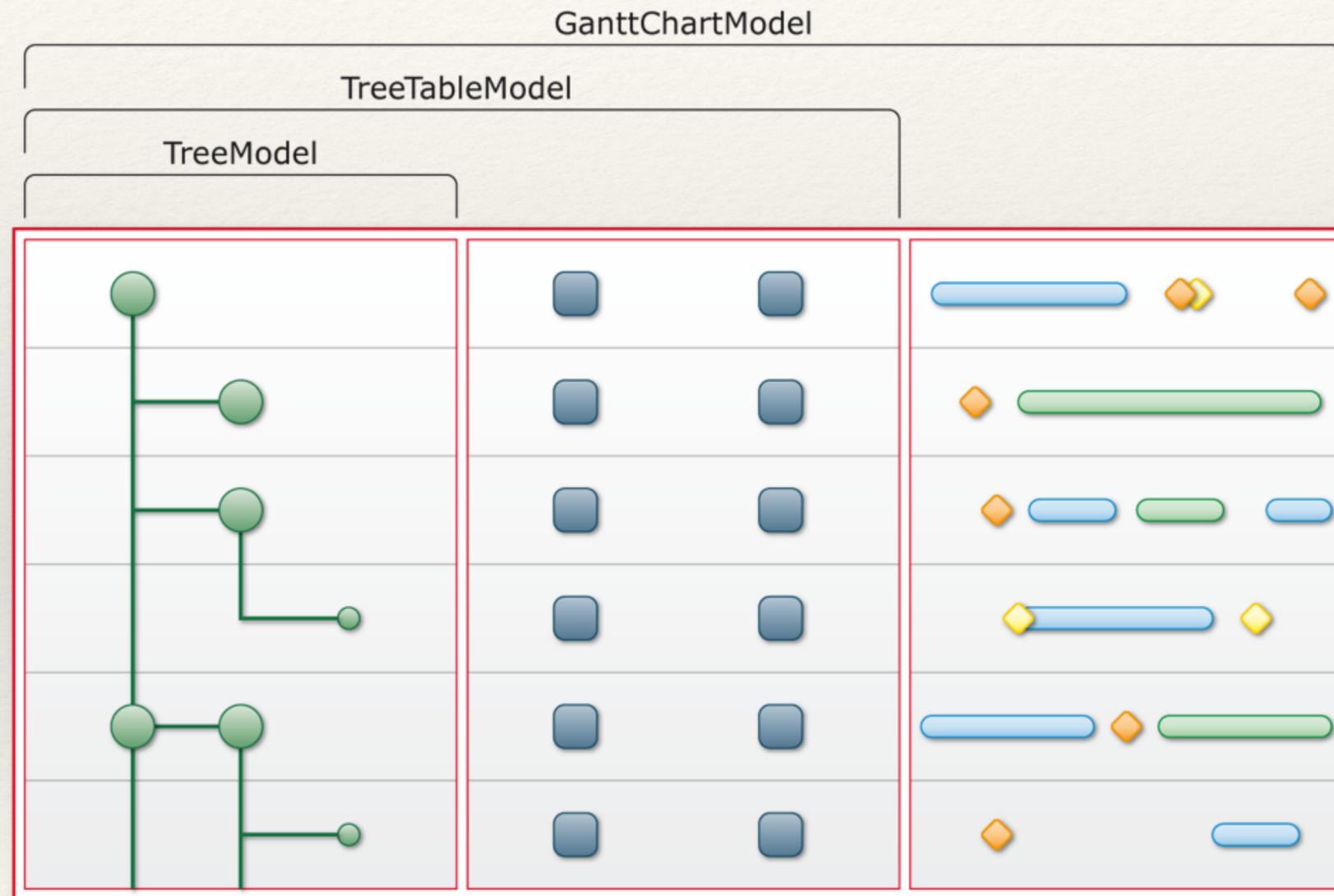


Introduction to FlexGantt

Topic: Models

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Gantt Chart Model



DefaultGanttChartModel

- ❖ Provides various kinds of information in order to populate a Gantt chart with data.
 - ❖ Tree structure
 - ❖ Table data
 - ❖ Timeline objects / activities / bars
 - ❖ Timeline object layers
 - ❖ Timeline object relationships
 - ❖ Spreadsheets
 - ❖ Spreadsheet values

DefaultGanttChartModel Events

- ❖ Interested parties register IGanttChartModelListener
- ❖ Events:
 - ❖ Layer added / removed
 - ❖ Spreadsheet added / removed
 - ❖ Timeline objects added / removed / changed
 - ❖ Relationships added / removed / changed
 - ❖ Spreadsheet value changed

Layer

- ❖ Carries the name of the layer
- ❖ Determines if layer is standard or custom
- ❖ Layer features that can be turned on / off:
 - ❖ Timeline Object Descriptions
 - ❖ Relationships
 - ❖ Deletion
 - ❖ Transparency
 - ❖ Overview
 - ❖ Timeline Object Creation
 - ❖ Show In Palette

DefaultTimelineObject

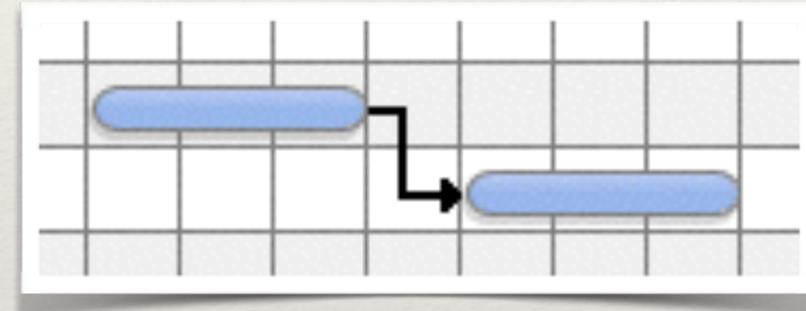
- ❖ This class provides all the information that is required to visualize the usage of a time span via a horizontal bar.
- ❖ Most decisions made by policies are based on information provided by this class.
- ❖ Popup objects, drag and drop, selection support, editing options, line placement.

TimelineObjectPath

- ❖ A unique identifier for each timeline object currently shown in the Gantt chart.
- ❖ A subclass of TreePath.
- ❖ „Walks down“ the tree structure, „jumps over“ to the layer, and shows the timeline object.

DefaultRelationship

- ❖ Used to „link“ two timeline objects with each other.
- ❖ Stores two timeline object paths.
- ❖ Determines the relationship type:
 - ❖ Start-Start, End-End, Start-End, End-Start



DefaultGanttChartNode

- ❖ A tree node subclass.
- ❖ Stores the timeline objects for each layer.
- ❖ Stores spreadsheet values.
- ❖ Manages lines and their height and location.