Framework of the program interface of the simulator

start
Main
Relevant methods:
static void main(args)

ui.commandline
CommandLineSystem
Relevant methods:
File checkLoadFile(args)
boolean run(args)
protected List<> getCommands()
- Contains a list of all command-line commands
- Checks if a file is to be loaded or if a command is to be executed.

(SimTools) systemtools.commandline
AbstractCommand
Relevant methods:
String getName()
String prepare(…)
void run()
- Abstract base class for all command-line commands.
- The commands only need to define a name, the requested parameter types and have to implement a run() method.

Folder containing help files

ui.help
Help
Relevant methods:
static void topic(parent, topic)
static void topicModal(parent, topic)
- Displays a page from the online help.

ui
MainFrame
- Displays the main window.
- Contains a panel of type MainPanelBase, which shows the window contant.
- Menu and toolbar will be displayed in the window and outside MainBasePanels, but have to be provided by the panel.

ui
MainPanel
Relevant methods:
JToolBar createToolBar()
JMenuBar createMenu()
- Content of the program window.
- Contains editor, wait panel and statistics viewer.

ui.compare
ComparePanel
- Allows to compare different statistic results.

ui.tools
WaitPanel
Relevant methods:
void setSimulator(Simulator,Runnable)
- Shows the simulation progress.
- Changes to the statistics viewer when simulation is done.

ui
ModelViewerFrame
- Displays a window for viewing the model connected to some statistics results.
- Contains a read only EditorPanel object.

ui
EditorPanel
Relevant methods:
protected void buildGUI()
protected void loadGUIDataFromModel()
protected void writeGUIDataToModel()
void setModel(…)
EditModel getModel()
String loadModel(File)
String saveModel(File)
- Complete model editor.
- Comminicates by the shown methods with MainPanel.

ui.statistics
StatisticsPanel
Relevant methods:
void setStatistics(…)
Statistics getStatistics()
String loadStatistics(File)
String saveStatistics(File)
- Complete statistics viewer.
- Communicates by the show methods with MainPanel.

(SimTools) systemtools.statistics
StatisticNode
- Represents a node in the statistics tree.
- Contains one concrete viewer.

simulator.editmodel
EditModel

simulator.statistics
Statistics

(SimSystem) statistics
Statistics*PerformanceIndicator

ui.statistics
StatisticViewer*
- Base class for displaying statistics texts, tables and diagrams.
- Gets the statistics object and prepares data on this basis.
- StatistikPanel can build a tree from this viewers and will also offer methods for saving as pdf, docs, xlsx and html.

Simulator

SimSystem and SimTools