jTimeSched -- Time tracking application

jTimeSched -- Time tracking application Last Published: \$dateValue | Version: 1.2-SNAPSHOT SpotBugs Bug Detector Report **Project Documentation** Project Information Project Reports The following document contains the results of SpotBugs Source Xref SpotBugs SpotBugs Version is 4.7.2 Built by Maven Threshold is *medium* Effort is default Summary Classes Missing Classes Errors 32 **Files** de.dominik_geyer.jtimesched.JTimeSchedApp de.dominik_geyer.jtimesched.JTimeSchedApp\$1 de.dominik_geyer.jtimesched.gui.JTimeSchedFrame de.dominik_geyer.jtimesched.gui.JTimeSchedFrame\$8 de.dominik_geyer.jtimesched.gui.JTimeSchedFrame\$JTimeSchedGUILogHandler de.dominik_geyer.jtimesched.gui.JTimeSchedFrame\$TimeSchedTableHeaderMouseListener de.dominik_geyer.jtimesched.gui.JTimeSchedFrame\$TimeSchedTableKeyListener de.dominik_geyer.jtimesched.gui.JTimeSchedFrame\$TimeSchedTableMouseListener de.dominik_geyer.jtimesched.gui.table.ColorCellEditor de.dominik_geyer.jtimesched.gui.table.CustomCellRenderer de.dominik_geyer.jtimesched.gui.table.DateCellEditor de.dominik_geyer.jtimesched.gui.table.ProjectTable de.dominik_geyer.jtimesched.gui.table.TimeCellEditor de.dominik_geyer.jtimesched.gui.table.TimeCellRenderer de.dominik_geyer.jtimesched.project.Project de.dominik_geyer.jtimesched.project.ProjectSerializer de.dominik_geyer.jtimesched.project.ProjectTableModel de.dominik_geyer.jtimesched.JTimeSchedApp Category Medium MALICIOUS_CODE 132 Public static de.dominik_geyer.jtimesched.JTimeSchedApp.getLogger() may expose internal representation by returning JTimeSchedApp.LOGGER MS_EXPOSE_REP Medium Exceptional return value of java.io.File.mkdir() ignored in de.dominik_geyer.jtimesched.JTimeSchedApp.main(String[]) RV_RETURN_VALUE_IGNORED_BAD_PRACTICE BAD_PRACTICE de.dominik_geyer.jtimesched.JTimeSchedApp\$1 Category Medium Exceptional return value of java.io.File.delete() ignored in de.dominik_geyer.jtimesched.JTimeSchedApp\$1.run() BAD_PRACTICE RV_RETURN_VALUE_IGNORED_BAD_PRACTICE de.dominik_geyer.jtimesched.gui.JTimeSchedFrame Line Priority Details Category 157 Medium BAD_PRACTICE new de.dominik_geyer.jtimesched.gui.JTimeSchedFrame() invokes System.exit(...), which shuts down the entire virtual machine DM_EXIT 481 Medium de.dominik_geyer.jtimesched.gui.JTimeSchedFrame.handleStartPause(Project) may expose internal representation by storing an externally mutable object into JTimeSchedFrame.currentProject EI_EXPOSE_REP2 MALICIOUS_CODE de.dominik_geyer.jtimesched.gui.JTimeSchedFrame.backupProjects() may fail to clean up java.io.InputStream on checked exception **EXPERIMENTAL** OBL_UNSATISFIED_OBLIGATION_EXCEPTION_EDGE de.dominik_geyer.jtimesched.gui.JTimeSchedFrame.backupProjects() may fail to clean up java.io.OutputStream on checked exception **EXPERIMENTAL** OBL_UNSATISFIED_OBLIGATION_EXCEPTION_EDGE 712 Medium de.dominik_geyer.jtimesched.gui.JTimeSchedFrame\$8 Category de.dominik_geyer.jtimesched.gui.JTimeSchedFrame\$8.actionPerformed(ActionEvent) invokes System.exit(...), which shuts down the entire virtual machine BAD PRACTICE DM_EXIT Medium de.dominik_geyer.jtimesched.gui.JTimeSchedFrame\$JTimeSchedGUILogHandler Category Should de.dominik_geyer.jtimesched.gui.JTimeSchedFrame\$JTimeSchedGUILogHandler be a _static_ inner class? PERFORMANCE SIC_INNER_SHOULD_BE_STATIC 995-1012 Medium de.dominik_geyer.jtimesched.gui.JTimeSchedFrame\$TimeSchedTableHeaderMouseListener Switch statement found in de.dominik_geyer.jtimesched.gui.JTimeSchedFrame\$TimeSchedTableHeaderMouseListener.showPopup(MouseEvent) where default case is missing STYLE SF_SWITCH_NO_DEFAULT Medium de.dominik_geyer.jtimesched.gui.JTimeSchedFrame\$TimeSchedTableKeyListener Switch statement found in de.dominik_geyer.jtimesched.gui.JTimeSchedFrame\$TimeSchedTableKeyListener.keyPressed(KeyEvent) where default case is missing STYLE SF_SWITCH_NO_DEFAULT Medium 973-980 de.dominik_geyer.jtimesched.gui.JTimeSchedFrame\$TimeSchedTableMouseListener Switch statement found in de.dominik_geyer.jtimesched.gui.JTimeSchedFrame\$TimeSchedTableMouseListener.mouseClicked(MouseEvent) where default case is missing SF_SWITCH_NO_DEFAULT 804-810 Medium de.dominik_geyer.jtimesched.gui.table.ColorCellEditor de.dominik_geyer.jtimesched.gui.table.ColorCellEditor.getTableCellEditorComponent(JTable, Object, boolean, int, int) may expose internal representation by returning ColorCellEditor.btnEdit Medium MALICIOUS_CODE EI_EXPOSE_REP Medium new de.dominik_geyer.jtimesched.gui.table.ColorCellEditor(JFrame) may expose internal representation by storing an externally mutable object into ColorCellEditor.parent MALICIOUS_CODE EI_EXPOSE_REP2 de.dominik_geyer.jtimesched.gui.table.CustomCellRenderer Medium Unchecked/unconfirmed cast from javax.swing.JTable to de.dominik_geyer.jtimesched.gui.table.CustomCellRenderer.getTableCellRenderer.getTableCellRendererComponent(JTable, Object, boolean, boolean, int, int) BC_UNCONFIRMED_CAST 59-109 Medium Switch statement found in de.dominik_geyer.jtimesched.gui.table.CustomCellRenderer.getTableCellRendererComponent(JTable, Object, boolean, boolean, int, int) where default case is missing SF_SWITCH_NO_DEFAULT de.dominik_geyer.jtimesched.gui.table.DateCellEditor Details Line Priority de.dominik_geyer.jtimesched.gui.table.DateCellEditor.getTableCellEditorComponent(JTable, Object, boolean, int, int) may expose internal representation by returning DateCellEditor.tfEdit MALICIOUS_CODE EI_EXPOSE_REP Medium de.dominik_geyer.jtimesched.gui.table.DateCellEditor.getTableCellEditorComponent(JTable, Object, boolean, int, int) may expose internal representation by storing an externally mutable object into DateCellEditor.oldDate Medium MALICIOUS_CODE EI_EXPOSE_REP2 de.dominik_geyer.jtimesched.gui.table.ProjectTable new de.dominik_geyer.jtimesched.gui.table.ProjectTable(JFrame, ProjectTableModel) may expose internal representation by storing an externally mutable object into ProjectTable.parentFrame MALICIOUS_CODE EI_EXPOSE_REP2 Medium de.dominik_geyer.jtimesched.gui.table.TimeCellEditor Details Line Priority Category Medium de.dominik_geyer.jtimesched.gui.table.TimeCellEditor.getTableCellEditorComponent(JTable, Object, boolean, int, int) may expose internal representation by returning TimeCellEditor.tfEdit MALICIOUS_CODE EI_EXPOSE_REP de.dominik_geyer.jtimesched.gui.table.TimeCellRenderer Details Category Line Priority Medium ? is null guaranteed to be dereferenced in de.dominik_geyer.jtimesched.gui.table.TimeCellRenderer.getTableCellRendererComponent(JTable, Object, boolean, boolean, int, int) on exception path NP_GUARANTEED_DEREF_ON_EXCEPTION_PATH CORRECTNESS

Switch statement found in de.dominik_geyer.jtimesched.gui.table.TimeCellRenderer.getTableCellRendererComponent(JTable, Object, boolean, boolean, int, int) where default case is missing Medium STYLE SF_SWITCH_NO_DEFAULT

de.dominik_geyer.jtimesched.project.Project

Category Details Line Priority de.dominik_geyer.jtimesched.project.Project.getTimeCreated() may expose internal representation by returning Project.timeCreated MALICIOUS_CODE EI_EXPOSE_REP Medium MALICIOUS CODE EI_EXPOSE_REP de.dominik_geyer.jtimesched.project.Project.getTimeStart() may expose internal representation by returning Project.timeStart Medium de.dominik_geyer.jtimesched.project.Project.setTimeCreated(Date) may expose internal representation by storing an externally mutable object into Project.timeCreated MALICIOUS_CODE EI_EXPOSE_REP2 100 Medium de.dominik_geyer.jtimesched.project.Project.setTimeStart(Date) may expose internal representation by storing an externally mutable object into Project.timeStart MALICIOUS_CODE EI_EXPOSE_REP2 108 Medium

de.dominik_geyer.jtimesched.project.ProjectSerializer

Category PERFORMANCE de.dominik_geyer.jtimesched.project.ProjectSerializer.writeXml(List) invokes inefficient new Integer(int) constructor; use Integer.valueOf(int) instead DM_NUMBER_CTOR Medium de.dominik_geyer.jtimesched.project.ProjectSerializer.writeXml(List) invokes inefficient new Long(long) constructor; use Long.valueOf(long) instead PERFORMANCE DM_NUMBER_CTOR Medium

de.dominik_geyer.jtimesched.project.ProjectTableModel

Category Details de.dominik_geyer.jtimesched.project.ProjectTableModel.getValueAt(int, int) invokes inefficient Boolean constructor; use Boolean.valueOf(...) instead PERFORMANCE Medium DM_BOOLEAN_CTOR de.dominik_geyer.jtimesched.project.ProjectTableModel.getValueAt(int, int) invokes inefficient new Integer(int) constructor; use Integer.valueOf(int) instead PERFORMANCE DM_NUMBER_CTOR Medium new de.dominik_geyer.jtimesched.project.ProjectTableModel(ArrayList) may expose internal representation by storing an externally mutable object into ProjectTableModel.arPrj MALICIOUS_CODE Medium EI_EXPOSE_REP2 Switch statement found in de.dominik_geyer.jtimesched.project.ProjectTableModel.setValueAt(Object, int, int) where default case is missing STYLE SF_SWITCH_NO_DEFAULT 154-192 Medium Copyright © \${currentYear}Dominik Geyer.