

```
package fi.paatti.research.paattiapplication.views.scheduleview;

import com.vaadin.data.Item;
import fi.paatti.paattidatabaseutils.dbService.PaattiResearchDBService;
import fi.paatti.paattidatabaseutils.names.PaattiColumnNames;
import fi.paatti.paattidatabaseutils.names.PaattiTableNames;
import fi.paatti.research.paattiapplication.ElementNames;
import fi.paatti.research.paattiapplication.views.ApplicationTabSheet;
import fi.paatti.research.paattiapplication.views.ApplicationView;
import java.util.Date;

/**
 * Creates the schedule view of the application.
 */
 * @author Jari Salokangas, jari.p.t.salokangas@student.jyu.fi
 */
public class ScheduleView extends ApplicationView {

    private ScheduleInfoTab scheduleInfoTab;
    private ScheduleEditTab scheduleEditTab;

    /**
     * Constructor of the class.
     */
     * @param applicationTabSheet the parent tabsheet.
    */
    public ScheduleView(ApplicationTabSheet applicationTabSheet) {
        super(applicationTabSheet, PaattiTableNames.SCHEDULE, PaattiColumnNames.SCHEDULE_scheduleID);

        scheduleInfoTab = new ScheduleInfoTab(this);
        scheduleEditTab = new ScheduleEditTab(this);

        addTab(scheduleInfoTab, ElementNames.SCHEDULE_VIEW_INFO_TAB_LABEL);
        addTab(scheduleEditTab, ElementNames.SCHEDULE_VIEW_EDIT_TAB_LABEL);
    }

    /**
     * {@inheritDoc }
     */
    @Override
    public void setContents(Item schedule) {
        super.setContents(schedule);
        setSelectedInfoLabel(createInfoString(schedule));
        scheduleInfoTab.setContents(schedule);
    }
}
```

```
scheduleEditTab.setContents(schedule);

setTabsEnabled(true);

/**
 * {@inheritDoc }
 */
@Override
public void saveContents() {
    Date zeroTime = new java.util.Date();
    PaattiResearchDBService db = getDBConnection();
    String msg;
    Object scheduleItemID = null;

    if (scheduleInfoTab.scheduleDescriptionArea.isValid() && zeroTime != null
        && scheduleEditTab.getScheduleContainer().getIdByIndex(0) != null) {
        String description = scheduleInfoTab.scheduleDescriptionArea.getValue().toString().trim();

        scheduleItemID = db.createSchedule(description, zeroTime, getSelectedItemID(),
            scheduleEditTab.getScheduleContainer());
        msg = (scheduleItemID != null) ? ElementNames.UPDATE_OK : ElementNames.UPDATE_FAIL;
    } else {
        msg = ElementNames.SOMETHING_REQUIRED;
    }
    getWindow().showNotification(msg + " " + scheduleItemID);
    refresh(scheduleItemID);
}

/**
 * {@inheritDoc }
 */
@Override
protected String createInfoString(Item schedule) {
    String str = "";

    if (schedule != null) {
        str = schedule.getItemProperty(PaattiColumnNames.SCHEDULE_description) + " "
            + schedule.getItemProperty(PaattiColumnNames.SCHEDULE_rowStatus);
    }
    return str;
}
```