

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

import com.vaadin.data.Item;
import com.vaadin.ui.Button;
import com.vaadin.ui.Button.ClickEvent;
import com.vaadin.ui.Embedded;
import com.vaadin.ui.TextArea;
import com.vaadin.ui.VerticalLayout;
import fi.paatti.paattidatabaseutils.dbService.PaattiResearchDBService;
import fi.paatti.paattidatabaseutils.names.PaattiColumnNames;
import fi.paatti.paattidatabaseutils.names.PaattiTableNames;
import fi.paatti.research.applicationinfo.Resources;
import fi.paatti.research.paattiapplication.ElementNames;
import fi.paatti.research.paattiapplication.views.ApplicationView;
import fi.paatti.research.paattiapplication.views.ApplicationViewTab;

/**
 * The tab presents the basic information of the selected schedule.
 */
 * @author Jari Salokangas, jari.p.t.salokangas@student.jyu.fi
 */
public class ScheduleInfoTab extends ApplicationViewTab {

    private Embedded image;
    protected TextArea scheduleDescriptionArea;
    private Button saveButton;
    private Button removeButton;

    /**
     * Constructor of the class.
     *
     * @param view the parent view.
     */
    public ScheduleInfoTab(ApplicationView view) {
        super(view);

        createLayout();
    }

    /**
     * {@inheritDoc}
     */
    @Override
    protected void createLayout() {
```

```
image = new Embedded();
image.setSource(Resources.getThemeResource(Resources.IMG_SCHEDULE));
image.setWidth("125px");

scheduleDescriptionArea = new TextArea(ElementNames.SCHEDULE_VIEW_DESCRIPTION_FIELD_LABEL);
scheduleDescriptionArea.setWidth("100%");
scheduleDescriptionArea.setRows(9);
scheduleDescriptionArea.setInputPrompt(ElementNames.SCHEDULE_VIEW_DESCRIPTION_FIELD_PROMPT);

saveButton = new Button(ElementNames.SCHEDULE_VIEW_SAVE_SCHEDULE_BUTTON_LABEL);
saveButton.addListener(this);

removeButton = new Button(ElementNames.SCHEDULE_VIEW_REMOVE_SCHEDULE_BUTTON_LABEL);
removeButton.addListener(this);

removeButton.setEnabled(false);

VerticalLayout layout = new VerticalLayout();

layout.setMargin(true);
layout.addComponent(image);
layout.addComponent(scheduleDescriptionArea);
layout.addComponent(saveButton);
layout.addComponent(removeButton);

setCompositionRoot(layout);
}

/**
 * {@inheritDoc}
 */
@Override
protected void fillTab(Item schedule) {
    scheduleDescriptionArea.setValue(schedule.getItemProperty(PaattiColumnNames.SCHEDULE_description));
    removeButton.setEnabled(true);
}

/**
 * {@inheritDoc}
 */
@Override
protected void clearTab() {
    scheduleDescriptionArea.setValue("");
    removeButton.setEnabled(false);
}
```

```
/**
 * {@inheritDoc }
 * <p>
 * The handled button click events are:
 * <ul>
 * <li>save the schedule, and</li>
 * <li>remove the schedule.</li>
 * </ul>
 */
@Override
public void buttonClick(ClickEvent event) {
    String buttonCaption = event.getButton().getCaption();
    String msg = null;
    PaattiResearchDBService db = view.getConnection();

    if (buttonCaption.equals(ElementNames.SCHEDULE_VIEW_REMOVE_SCHEDULE_BUTTON_LABEL)) {
        if (db.removeRowFromTable(view.getSelectedItemId(), PaattiTableNames.SCHEDULE,
            PaattiColumnNames.SCHEDULE_SCHEDULEID)) {
            msg = ElementNames.UPDATE_OK;
            view.refresh(null);
        } else {
            msg = ElementNames.UPDATE_FAIL;
        }
    } else if (buttonCaption.equals(ElementNames.SCHEDULE_VIEW_SAVE_SCHEDULE_BUTTON_LABEL)) {
        view.saveContents();
    }
    if (msg != null) {
        getWindow().showNotification(msg);
    }
}
}
```