

```
/*
 * To change this license header, choose License Headers in Project
Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
```

```
package adminView;
```

```
import java.io.IOException;
import java.net.URL;
import java.util.List;
import java.util.ResourceBundle;
import javafx.collections.FXCollections;
import javafx.collections.ObservableList;
import javafx.event.ActionEvent;
import javafx.fxml.FXML;
import javafx.fxml.FXMLLoader;
import javafx.fxml.Initializable;
import javafx.scene.Node;
import javafx.scene.Parent;
import javafx.scene.Scene;
import javafx.scene.control.Alert;
import javafx.scene.control.Button;
import javafx.scene.control.Label;
import javafx.scene.control.RadioButton;
import javafx.scene.control.TableColumn;
import javafx.scene.control.TableView;
import javafx.scene.control.TextField;
import javafx.scene.control.ToggleGroup;
import javafx.scene.control.cell.PropertyValueFactory;
import javafx.scene.text.Text;
import javafx.stage.Stage;
import model.Admins;
import model.Students;
import presenter.StudentPresenter;
```

```
/**
 * FXML Controller class
 *
 * @author Adarsha
 */
```

```
public class SearchStudentController implements Initializable {
```

```
    @FXML
    private Button homeadmin_fx;
    @FXML
    private Button viewstudentdetails_fx;
    @FXML
    private Text home_fx;
    @FXML
    private Button searchstudentdet_fx;
    @FXML
    private Button addEquipment_fx;
    @FXML
    private Button equipmentSearch_fx;
    @FXML
    private Button Adddelcampus_fx;
    @FXML
```

```

private TableView<Students> studentdettable_fx;
@FXML
private RadioButton rbsrchbyid_fx;
@FXML
private RadioButton rbsrchbyname_fx;
@FXML
private Button addAdmin_fx;
@FXML
private Button addStudent_fx;
@FXML
private Button notify_fx;
@FXML
private Button logout_fx;

private StudentPresenter studentPresenter;
@FXML
private TableColumn<Students, Integer> id_column;
@FXML
private TableColumn<Students, String> name_column;
@FXML
private TableColumn<Students, String> phone_column;
@FXML
private TableColumn<Students, String> campus_column;
@FXML
private TableColumn<Students, String> username_column;
@FXML
private TableColumn<Students, String> address_column;
@FXML
private TableColumn<Students, String> email_column;
@FXML
private TextField search_fx;
@FXML
private Button fullStudentListBtn;
@FXML
private Button deleteStudentBtn;

private Students selectedStudent;

/**
 * Initializes the controller class.
 */
@Override
public void initialize(URL url, ResourceBundle rb) {
    studentPresenter = new StudentPresenter();
    selectedStudent = new Students();

    List<Students> studentList =
studentPresenter.getAllStudentList();
    getAllStudentList(studentList);

    ToggleGroup group = new ToggleGroup();
    rbsrchbyname_fx.setToggleGroup(group);
    rbsrchbyid_fx.setToggleGroup(group);
}

@FXML

```

```

        private void onHomeButtonClicked(ActionEvent event) throws
IOException {
            Parent root =
FXMLLoader.load(getClass().getResource("AdminDashboard.fxml"));
            Scene scene = new Scene(root);
            Stage window = (Stage) ((Node)
event.getSource()).getScene().getWindow();
            window.setScene(scene);
            window.show();
        }

@FXML
private void onSearchButtonClicked(ActionEvent event) {
    if(rbsrchbyname_fx.isSelected()==true){
        String keyword = search_fx.getText();
        List<Students> searchedStudents =
studentPresenter.findStudentsByName(keyword);
        getAllStudentList(searchedStudents);
    }else if (rbsrchbyid_fx.isSelected()==true){
        String keyword = search_fx.getText();
        try{
            int id = Integer.parseInt(keyword);
            List<Students> searchedStudents=
studentPresenter.findStudentsById(id);
            getAllStudentList(searchedStudents);
        }catch(NumberFormatException ex){
            Alert alert = new Alert(Alert.AlertType.WARNING);
            alert.setTitle("Invalid Input");
            alert.setHeaderText("Please enter a numeric value for
Student ID.");
            alert.showAndWait();
        }
    }else{
        Alert alert = new Alert(Alert.AlertType.ERROR);
        alert.setTitle("No search type selected");
        alert.setHeaderText("Please select one search option
first.");
        alert.showAndWait();
    }
}

private void getAllStudentList(List <Students> studentList){
    id_column.setCellValueFactory(new
PropertyValueFactory<>("student_id"));
    name_column.setCellValueFactory(new
PropertyValueFactory<>("studentName"));
    phone_column.setCellValueFactory(new
PropertyValueFactory<>("phone"));
    email_column.setCellValueFactory(new
PropertyValueFactory<>("email"));
    address_column.setCellValueFactory(new
PropertyValueFactory<>("address"));
    campus_column.setCellValueFactory(new
PropertyValueFactory<>("campus"));
    username_column.setCellValueFactory(new
PropertyValueFactory<>("username"));
}

```

```

        ObservableList<Students> studentsList =
FXCollections.observableList(studentList);
        studentdettable_fx.setItems(studentsList);
        if (studentsList.isEmpty()) {
            studentdettable_fx.setPlaceholder(new Label("No records
found!"));
        }
    }

@FXML
private void onFullStudentListBtnClicked(ActionEvent event) {
    List<Students> studentList =
studentPresenter.getAllStudentList();
    getAllStudentList(studentList);

//        editDetailsbtn.setVisible(true);
//        saveChangesBtn.setVisible(false);
//        admindehtable_fx.setEditable(false);
//        username_Column.setEditable(false);
    }

@FXML
private void onDeleteStudentBtnClicked(ActionEvent event) {
    int student_id =
studentdettable_fx.getSelectionModel().getSelectedItem().getStudent_id();
    studentPresenter.deleteStudent(student_id);

studentdettable_fx.getItems().removeAll(studentdettable_fx.getSelectionModel
del().getSelectedItem());
    }

}

```