

Міністерство освіти, науки, молоді та спорту України
Національний університет «Львівська політехніка»

Кафедра СШІ

Лабораторна робота №15

Виконав:
ст. групи КН-107
Данків Анастасія
Прийняв:
Старший викладач
кафедри СШІ
Гасько Р.Т.

Львів-2018

```

import javafx.application.Application;
import javafx.beans.property.SimpleStringProperty;
import javafx.collections.FXCollections;
import javafx.collections.ObservableList;
import javafx.event.ActionEvent;
import javafx.geometry.Insets;
import javafx.scene.Group;
import javafx.scene.Scene;
import javafx.scene.control.Button;
import javafx.scene.control.Label;
import javafx.scene.control.TableColumn;
import javafx.scene.control.TableView;
import javafx.scene.control.TextField;
import javafx.scene.control.cell.PropertyValueFactory;
import javafx.scene.layout.HBox;
import javafx.scene.layout.VBox;
import javafx.scene.text.Font;
import javafx.stage.Stage;

public class Controller extends Application {

    private final TableView<TradePoint> table = new TableView<>();
    private final ObservableList<TradePoint> data =
        FXCollections.observableArrayList(
            new TradePoint( "Anastasia", "1LukashStreet", "vdsvsdv",
"Medicine", "Tuesday", "10:00"),
            new TradePoint( "Anastasia", "2LukashStreet", "3689200",
"Medicine", "Wednesday", "11:00"),
            new TradePoint( "Anastasia", "3LukashStreet", "d12348535",
"Medicine", "Sunday", "16:00"),
            new TradePoint( "Anastasia", "4LukashStreet", "fg983736925",
"Medicine", "Tuesday", "18:00"),
            new TradePoint( "Anastasia", "5LukashStreet", "i3ij0088367",
"Medicine", "Monday", "17:00"));
    final HBox hb = new HBox();

    public static void main(String[] args) {
        launch(args);
    }

    @Override
    public void start(Stage stage) {
        Scene scene = new Scene(new Group());
        stage.setTitle("Trade Points");
        stage.setWidth(650);
        stage.setHeight(550);

        final Label label = new Label("Trade Point");
        label.setFont(new Font("Arial", 20));

        table.setEditable(true);

        TableColumn nameCol = new TableColumn("Name");
        nameCol.setMinWidth(100);
        nameCol.setCellValueFactory(
            new PropertyValueFactory<>("name"));

        TableColumn adressCol = new TableColumn("Adress");
        adressCol.setMinWidth(100);
        adressCol.setCellValueFactory(
            new PropertyValueFactory<>("adress"));

        TableColumn numberCol = new TableColumn("Number");
        numberCol.setMinWidth(100);
    }
}

```

```

numberCol.setCellValueFactory(
    new PropertyValueFactory<>("number"));

TableColumn specializationCol = new TableColumn("Specialization");
specializationCol.setMinWidth(100);
specializationCol.setCellValueFactory(
    new PropertyValueFactory<>("specialization"));

TableColumn dayCol = new TableColumn("Day");
dayCol.setMinWidth(100);
dayCol.setCellValueFactory(
    new PropertyValueFactory<>("day"));

TableColumn timeCol = new TableColumn("Time");
timeCol.setMinWidth(100);
timeCol.setCellValueFactory(
    new PropertyValueFactory<>("time"));

table.setItems(data);
table.getColumns().addAll(nameCol, addressCol, numberCol,
specializationCol, dayCol, timeCol);

final TextField addName = new TextField();
addName.setPromptText("Name");
addName.setMaxWidth(nameCol.getPrefWidth());

final TextField addAddress = new TextField();
addAddress.setMaxWidth(addressCol.getPrefWidth());
addAddress.setPromptText("Address");

final TextField addNumbers = new TextField();
addNumbers.setMaxWidth(numberCol.getPrefWidth());
addNumbers.setPromptText("Number");

final TextField addSpecialization = new TextField();
addSpecialization.setMaxWidth(specializationCol.getPrefWidth());
addSpecialization.setPromptText("Specialization");

final TextField addDay = new TextField();
addDay.setMaxWidth(dayCol.getPrefWidth());
addDay.setPromptText("Day");

final TextField addTime = new TextField();
addTime.setMaxWidth(timeCol.getPrefWidth());
addTime.setPromptText("Time");

final Button addButton = new Button("Add");
addButton.setOnAction((ActionEvent e) -> {
    data.add(new TradePoint(
        addName.getText(),
        addAddress.getText(),
        addNumbers.getText(),
        addSpecialization.getText(),
        addDay.getText(),
        addTime.getText()));
    addName.clear();
    addAddress.clear();
    addNumbers.clear();
    addSpecialization.clear();
    addDay.clear();
    addTime.clear();
});

hb.getChildren().addAll(addName, addAddress, addNumbers,
addSpecialization, addDay, addTime, addButton);
hb.setSpacing(10);

```

```

    final VBox vbox = new VBox();
    vbox.setSpacing(10);
    vbox.setPadding(new Insets(10, 0, 0, 10));
    vbox.getChildren().addAll(label, table, hb);

    ((Group) scene.getRoot()).getChildren().addAll(vbox);

    stage.setScene(scene);
    stage.show();
}

public static class TradePoint{
    private final SimpleStringProperty name;
    private final SimpleStringProperty address;
    private final SimpleStringProperty number;
    private final SimpleStringProperty specialization;
    private final SimpleStringProperty day;
    private final SimpleStringProperty time;
    private TradePoint(String name1, String adress1, String number1, String
specialization1, String day1, String time1){
        this.name = new SimpleStringProperty(name1);
        this.address = new SimpleStringProperty(adress1);
        this.number = new SimpleStringProperty(number1);
        this.specialization = new SimpleStringProperty(specialization1);
        this.day = new SimpleStringProperty(day1);
        this.time = new SimpleStringProperty(time1);
    }

    public String getName() {
        return name.get();
    }

    public void setName(String fName) {
        name.set(fName);
    }

    public String getAddress() {
        return address.get();
    }

    public void setAddress(String fName) {
        address.set(fName);
    }

    public String getNumber() {
        return number.get();
    }

    public void setNumber(String fName) {
        number.set(fName);
    }

    public String getSpecialization() {
        return specialization.get();
    }

    public void setSpecialization(String fName) {
        specialization.set(fName);
    }

    public String getDay() {
        return day.get();
    }

    public void setDay(String fName) {

```

```
        day.set(fName);
    }

    public String getTime() {
        return time.get();
    }

    public void setTime(String fName) {
        time.set(fName);
    }
}
}
```