```java
package application;


import java.net.URL;
import java.sql.Date;
import java.util.ResourceBundle;

import javafx.event.ActionEvent;
import javafx.fxml.FXML;
import javafx.scene.control.Button;
import javafx.scene.control.ChoiceBox;
import javafx.scene.control.DatePicker;
import javafx.scene.control.ListView;
import javafx.scene.control.RadioButton;
import javafx.scene.control.SelectionMode;
import javafx.scene.control.SelectionModel;
import javafx.scene.control.TextField;
import javafx.scene.control.ToggleGroup;
import javafx.scene.layout.AnchorPane;

public class AddTransactionController {
    @FXML
    private TextField transactionTitle;

    @FXML
    private TextField transactionDes;

    @FXML
    private TextField transactionAmount;

    @FXML
    private ChoiceBox<String> incomeCB;

    @FXML
    private Button incomeSubmit;

    @FXML
    private ChoiceBox<String> expenseCB;

    @FXML
    private Button expenseSubmit;

    @FXML
    private ChoiceBox<String> SharedCB;

    @FXML
    private Button sharedSubmit;

    @FXML
    private ListView<String> sharedList;

    @FXML
    private DatePicker transactionDate;
    @FXML
    private AnchorPane incomePane;

    @FXML
    private AnchorPane expensePane;

    @FXML
    private AnchorPane sharedPane;

    @FXML
    private RadioButton incomeButton;

    @FXML
    private RadioButton expenseButton;

    @FXML
    private RadioButton sharedButton;


   /**
    * initialize - sets up AddTransaction.fxml
    */
    @FXML
    private void initialize() {
        ToggleGroup group = new ToggleGroup();
        incomeButton.setToggleGroup(group);
        expenseButton.setToggleGroup(group);
        sharedButton.setToggleGroup(group);

    incomePane.setVisible(true);
    expensePane.setVisible(false);
    sharedPane.setVisible(false);

        this.incomeCB.getItems().addAll(Income.categoryOptions);
        this.expenseCB.getItems().addAll(Expense.categoryOptions);
        this.SharedCB.getItems().addAll(Expense.categoryOptions);
        this.sharedList.getSelectionModel().setSelectionMode(SelectionMode.MULTIPLE);;
        this.sharedList.getItems().addAll(SharedExpense.getAvailableUsers());
    }

    /**
     * incomePane - displays incomePane and hides the rest
     * @param event
     */
    public void incomePane(ActionEvent event) {
    incomePane.setVisible(true);
    expensePane.setVisible(false);
    sharedPane.setVisible(false);
    }
    /**
     * expensePane - displays expanePane and hides the rest
     * @param event
     */
    public void expensePane(ActionEvent event) {
    incomePane.setVisible(false);
    expensePane.setVisible(true);
    sharedPane.setVisible(false);
    }
    /**
     * shaprePane - displays sharePane and hides the rest
     * @param event
     */
    public void sharePane(ActionEvent event) {
    incomePane.setVisible(false);
    expensePane.setVisible(false);
    sharedPane.setVisible(true);
    }
```

```java

    /**
     * SubmitIncome  - adds all the data entered into the database correctly.
     * @param event
     */
    public void SubmitIncome(ActionEvent event) {
        System.out.println("****************");
        Income income = new Income();
        income.setTitle(this.transactionTitle.getText());
        income.setDate(Date.valueOf(this.transactionDate.getValue()));
        income.setAmount(Double.valueOf(transactionAmount.getText()));
        income.setDescription(this.transactionDes.getText());
        income.setIncomeCatagory(this.incomeCB.getValue());
        income.setUserName(UserHolder.getInstance().getName());
        System.out.println("****************");
        income.save();

    }
    /**
     * SubmitExpense  - adds all the data entered into the database correctly.
     * @param event
     */
    public void SubmitExpense(ActionEvent event) {
        System.out.println("*******E*********");
        Expense expense = new Expense();
        expense.setTitle(this.transactionTitle.getText());
        expense.setDate(Date.valueOf(this.transactionDate.getValue()));
        expense.setAmount(Double.valueOf(transactionAmount.getText()));
        expense.setDescription(this.transactionDes.getText());
        expense.setExpenseCatagory(this.incomeCB.getValue());
        expense.setUserName(UserHolder.getInstance().getName());
    expense.save();

    }
    /**
     * SubmitSharedExpense  - adds all the data entered into the database correctly.
     * @param event
     */
    public void SubmitSharedExpense(ActionEvent event) {
        System.out.println("********SE********");
        SharedExpense expense = new SharedExpense();
        expense.setTitle(this.transactionTitle.getText());
        expense.setDate(Date.valueOf(this.transactionDate.getValue()));
        expense.setAmount(Double.valueOf(transactionAmount.getText()));
        expense.setDescription(this.transactionDes.getText());
        expense.setExpenseCatagory(this.incomeCB.getValue());
        expense.setUserName(UserHolder.getInstance().getName());
        expense.setSharedWith(this.sharedList.getSelectionModel().getSelectedItems());
        expense.save();
    }
}


```