UNIVERSIDAD DE LAS PALMAS DE GRAN CANARIA
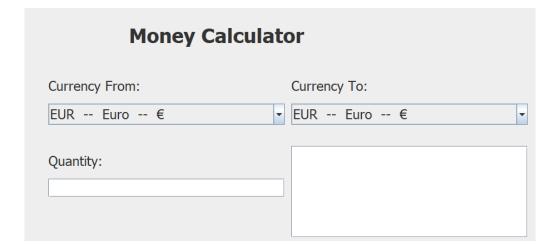Escuela de Ingeniería Informática

eiin

Alumna: María Elena Navarro Santana

DNI: 44748505G

Curso: 3º de Ingeniería Informática

Asignatura: Ingeniería del Software II

Money Calculator

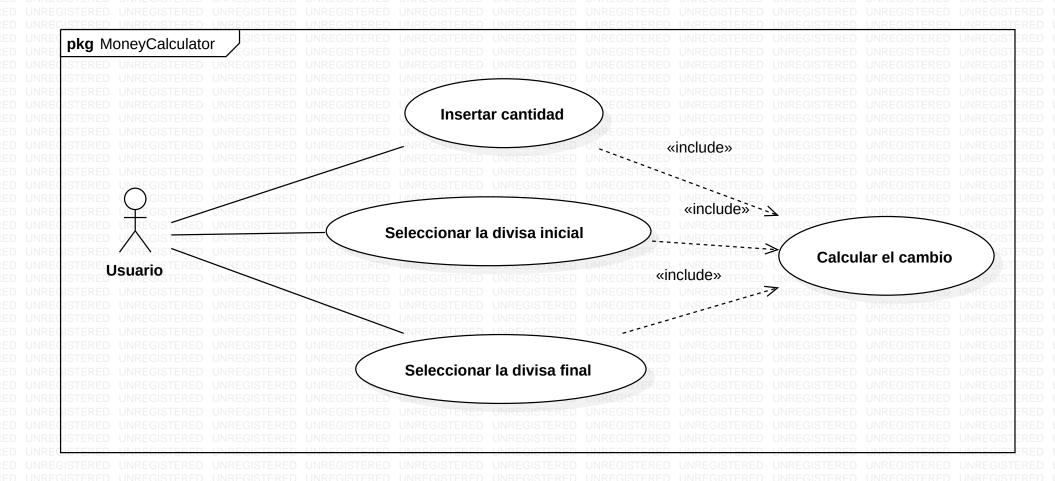**Repositorio de Github:** https://github.com/ElenaaNavarroo/MoneyCalculator

Money Calculator

Currency From:

EUR -- Euro -- €

Currency To:

EUR -- Euro -- €

Quantity:

MoneyCalculator::UseCaseDiagram1

pkg MoneyCalculator

Insertar cantidad

«include»

«include»

Seleccionar la divisa inicial

«include»

Calcular el cambio

Usuario

Seleccionar la divisa final

Diagrama Paquetes::Diagrama

| moneyCalculator | Controller | View | Persistence | Model |

moneyCalculator::MoneyCalculator

MoneyCalculator

+main(args: String[1...*])

src::Controller::Controller

ExchangeRateArchive

-FilePathname: String

+ExchangeRateArchive(FilePathname: String): ExchangeRateArchive
+getRate(from: Currency, to: Currency): ExchangeRate <<..>>

+1

+1

Controller

+trigger()
+Controller(exchangeRateArchive: ExchangeRateArchive): Controller
+Controller(dialog: DialogSwing, exchangeRateArchive: ExchangeRateArchive): Controller
+setDialog(dialog: DialogSwing)
-convertedResult(money: Money, rate: ExchangeRate): null

+1   +1

+1   +1

DialogSwing

-currenciesList: Currency[1..*]
-currenciesForComboBox: String[1..*]
+money
+currencyFrom
+currencyTo
-jComboBoxCurrencyFrom: JComboBox
-jComboBoxCurrencyTo: JComboBox
-jLabelTitle: JLabel
-jLabelCurrencyFromText: JLabel
-jLabelCurrencyToText: JLabel
-jLabelQualityText: JLabel
-Attribute4
+Attribute1
+Attribute2
+Attribute5

src::View::View

«interface»
Dialog

+money: Money
+currencyTo: Currency
+currencyFrom: Currency

«interface»
Display

+display(money: Money)

DialogSwing

-currenciesList: Currency[1..*]
-currenciesForComboBox: String[1..*]
+money
+currencyFrom
+currencyTo
-jComboBoxCurrencyFrom: JComboBox
-jComboBoxCurrencyTo: JComboBox
-jLabelTitle: JLabel
-jLabelCurrencyFromText: JLabel
-jLabelCurrencyToText: JLabel
-jLabelQualityText: JLabel
-jLabelProbablyUnnecesaryCredits: JLabel
-jScrollPaneForTextAreaDisplay: JScrollPane
-jTextAreaDisplay: JTextArea
-jTextFieldQuantifyReader: JTextField

-initComponents()
+display(money)
-jComboBoxCurrencyFromActionPerformed(evt: ActionEvent)
-jComboBoxCurrencyToActionPerformed(evt: ActionEvent)
-jTextFieldQuantityReaderActionPerformed(evt: ActionEvent)
+DialogSwing(currenciesList: List, controller: Controller): DialogSwing
-createCurrencyStringArray(list: List): String[1..*]

src::Model::Model

Currency

+code: String
+name: String
+symbol: String

+Currency(code: String, name: String, symbol: String): Currency
+toString(): String

+1

+1

+to

+1

+from

+1

+1

Money

+amount: double

+toString(): String
+Money(amount: double, currency: Currency): Money

ExchangeRate

+rate: double

+ExchangeRate(rate: double, from: Currency, to: Currency): ExchangeRate

src::Persistence::Persistence

«interface»
CurrencyLoader

+loadAllCurrencies(): Currency[1..*]

«interface»
ExchangeRateLoader

+getRate(from: Currency, to: Currency): ExchangeRate

CurrencyLoaderWebService

-URL: String

+CurrencyLoaderWebService(URL: String): CurrencyLoaderWebService
+loadAllCurrencies(): Currency[1..*]

CurrencyLoaderArchive

-FilePathname: String

+CurrencyLoaderArchive(FilePathname: String): CurrencyLoaderArchive
+loadAllCurrencies(): Currency[1..*]
+currencyOf(lineText: String): Currency

ExchangeRateWebService

-URL: String

+ExchangeRateWebService(URL: String): ExchangeRateWebService
+getRate(from: Currency, to: Currency): Exchange

ExchangeRateArchive

-FilePathname: String

+ExchangeRateArchive(FilePathname: String): ExchangeRateArchive
+getRate(from: Currency, to: Currency): ExchangeRate

WebService

Archive