FXMLDocumentController

-swFilterOn: CheckBox
-inputText: TextArea
-freqThreshold: TextField
-matrix: RadioButton
-dance: RadioButton
-bar: RadioButton
-anchorPane: AnchorPane
-currentVisualizer: Visualizer
-visualizerGroup: ToggleGroup
-stage: Stage
-freqMap: Map<String, Integer>
-table: TableView<WordFreq>
-wordColumn: TableColumn<WordFreq, String>
-frequencyColumn: TableColumn<WordFreq, String>
-data: ObservableList<WordFreq>

+setStage(stage: Stage)
+initialize(url: URL, rb: ResourceBundle)
-selectVisualizer(event: ActionEvent)
-changeVisualizer(visualizer: Visualizer)
-createButtonHandler(event: ActionEvent)
-resetButtonHandler(event: ActionEvent)
-openHandler(event: ActionEvent)
-openFile()
-saveHandler(event: ActionEvent)
-saveFile()
-exportHandler(event: ActionEvent)
-aboutHandler(event: ActionEvent)

Pz72bDynamicText

+start(stage: Stage)
+main(args: String[])

StopWord

+LIST: String[]

WordFreq

-WORD: SimpleStringProperty
-FREQ: SimpleStringProperty

+«constructor»WordFreq(entry: Map.Entry<String, Integer>)
+getWord(): String
+setWord(entry: Map.Entry<String, Integer>)
+getFreq(): String
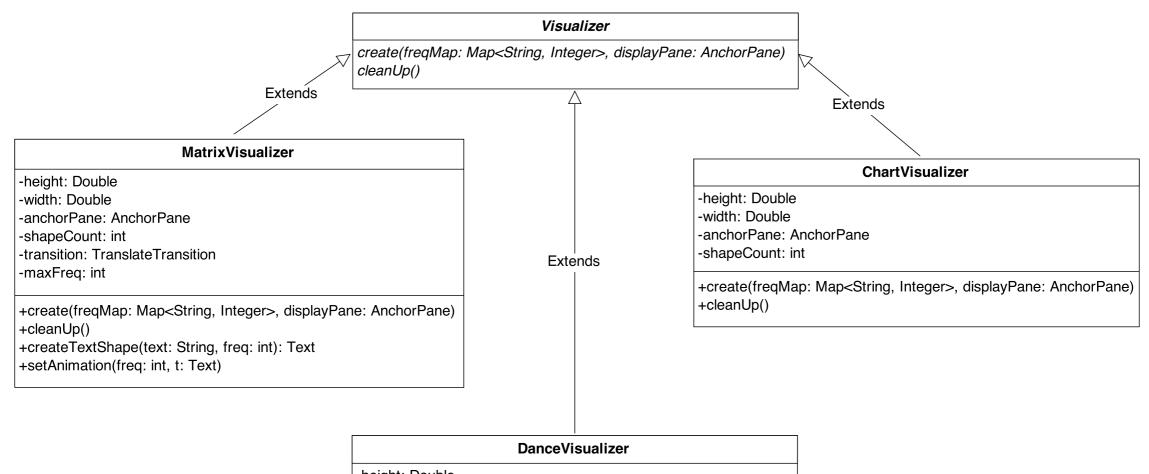+setFreq(entry: Map.Entry<String, Integer>)

FreqCalculator

-words: String[]
-filterIsOn: boolean

+«constructor»FreqCalculator(inputText: String)
+«constructor»FreqCalculator(inputText: String, filterIsOn: boolean)
+setFilterOn()
+setFilterOff()
+getFreqMap(freqThreshold: int): Map<String, Integer>

Visualizer

create(freqMap: Map<String, Integer>, displayPane: AnchorPane)
cleanUp()

Extends

MatrixVisualizer

-height: Double
-width: Double
-anchorPane: AnchorPane
-shapeCount: int
-transition: TranslateTransition
-maxFreq: int

+create(freqMap: Map<String, Integer>, displayPane: AnchorPane)
+cleanUp()
+createTextShape(text: String, freq: int): Text
+setAnimation(freq: int, t: Text)

ChartVisualizer

-height: Double
-width: Double
-anchorPane: AnchorPane
-shapeCount: int

+create(freqMap: Map<String, Integer>, displayPane: AnchorPane)
+cleanUp()

Extends

Extends

DanceVisualizer

-height: Double
-width: Double
-anchorPane: AnchorPane
-shapeCount: int
-transition: TranslateTransition
-maxFreq: int

+create(freqMap: Map<String, Integer>, displayPane: AnchorPane)
+cleanUp()
+createTextShape(text: String, freq: int): Text
+setAnimation(freq: int, t: Text)