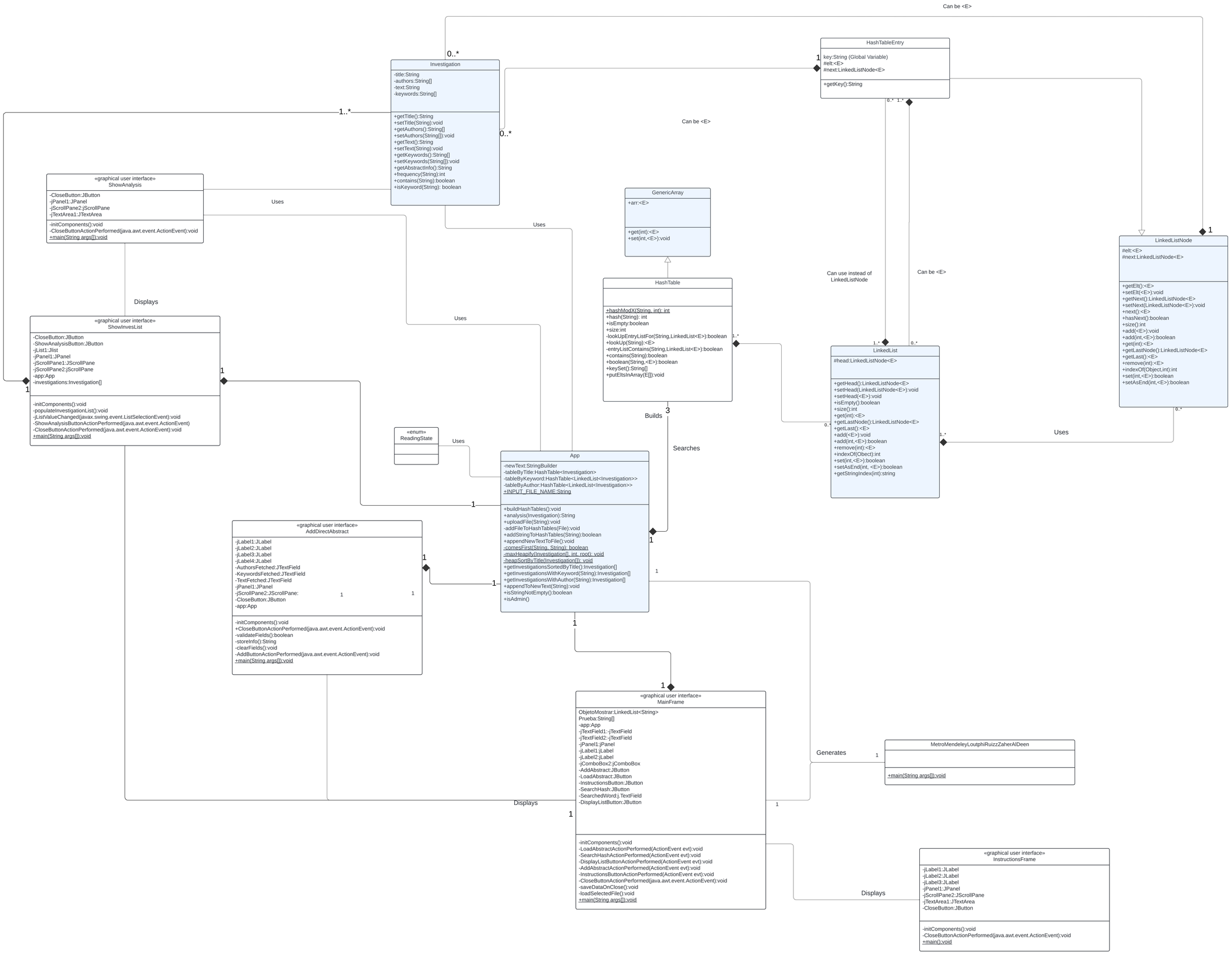
Can be <E>
HashTableEntry
key:String (Global Variable)
#elt:<E>
#next:LinkedListNode<E>
+getKey():String
Investigation
-title:String
-authors:String[]
-text:String
-keywords:String[]
+getTitle():String
+setTitle(String):void
+getAuthors():String[]
+setAuthors(String[]):void
+getText():String
+setText(String):void
+getKeywords():String[]
+setKeywords(String[]):void
+getAbstractInfo():String
+frequency(String):int
+contains(String):boolean
+isKeyword(String): boolean
Can be <E>
«graphical user interface»
ShowAnalysis
-CloseButton:JButton
-jPanel1:JPanel
-jScrollPane2:jScrollPane
-jTextArea1:JTextArea
-initComponents():void
-CloseButtonActionPerformed(java.awt.event.ActionEvent):void
+main(String args[]):void
Uses
GenericArray
+arr:<E>
+get(int):<E>
+set(int,<E>):void
LinkedListNode
#elt:<E>
#next:LinkedListNode<E>
+getElt():<E>
+setElt(<E>):void
+getNext():LinkedListNode<E>
+setNext(LinkedListNode<E>):void
+next():<E>
+hasNext():boolean
+size():int
+add(<E>):void
+add(int,<E>):boolean
+get(int):<E>
+getLastNode():LinkedListNode<E>
+getLast():<E>
+remove(int):<E>
+indexOf(Object,int):int
+set(int,<E>):boolean
+setAsEnd(int,<E>):boolean
Can use instead of LinkedListNode
Can be <E>
HashTable
+hashModX(String, int): int
+hash(String): int
+isEmpty:boolean
+size:int
-lookUpEntryListFor(String,LinkedList<E>):boolean
+lookUp(String):<E>
-entryListContains(String,LinkedList<E>):boolean
+contains(String):boolean
+boolean(String,<E>):boolean
+keySet():String[]
+putEltsInArray(E[]):void
Displays
«graphical user interface»
ShowInvesList
-CloseButton:JButton
-ShowAnalysisButton:JButton
-jList1:Jlist
-jPanel1:JPanel
-jScrollPane1:JScrollPane
-jScrollPane2:jScrollPane
-app:App
-investigations:Investigation[]
-initComponents():void
-populateInvestigationList():void
-jListValueChanged(javax.swing.event.ListSelectionEvent):void
-ShowAnalysisButtonActionPerformed(java.awt.event.ActionEvent)
-CloseButtonActionPerformed(java.awt.event.ActionEvent):void
+main(String args[]):void
LinkedList
#head:LinkedListNode<E>
+getHead():LinkedListNode<E>
+setHead(LinkedListNode<E>):void
+setHead(<E>):void
+isEmpty():boolean
+size():int
+get(int):<E>
+getLastNode():LinkedListNode<E>
+getLast():<E>
+add(<E>):void
+add(int,<E>):boolean
+remove(int):<E>
+indexOf(Obect):int
+set(int,<E>):boolean
+setAsEnd(int, <E>):boolean
+getStringIndex(int):string
Uses
«enum»
ReadingState
Uses
App
-newText:StringBuilder
-tableByTitle:HashTable<Investigation>
-tableByKeyword:HashTable<LinkedList<Investigation>>
-tableByAuthor:HashTable<LinkedList<Investigation>>
+INPUT_FILE_NAME:String
+buildHashTables():void
+analysis(Investigation):String
+uploadFile(String):void
-addFileToHashTables(File):void
+addStringToHashTables(String):boolean
+appendNewTextToFile():void
-comesFirst(String, String): boolean
-maxHeapify(Investigation[], int, root): void
-heapSortByTitle(Investigation[]): void
+getInvestigationsSortedByTitle():Investigation[]
+getInvestigationsWithKeyword(String):Investigation[]
+getInvestigationsWithAuthor(String):Investigation[]
+appendToNewText(String):void
+isStringNotEmpty():boolean
+isAdmin()
Builds
Searches
«graphical user interface»
AddDirectAbstract
-jLabel1:JLabel
-jLabel2:JLabel
-jLabel3:JLabel
-jLabel4:JLabel
-AuthorsFetched:JTextField
-KeywordsFetched:JTextField
-TextFetched:JTextField
-jPanel1:JPanel
-jScrollPane2:JScrollPane:
-CloseButton:JButton
-app:App
-initComponents():void
+CloseButtonActionPerformed(java.awt.event.ActionEvent):void
-validateFields():boolean
-storeInfo():String
-clearFields():void
-AddButtonActionPerformed(java.awt.event.ActionEvent):void
+main(String args[]):void
«graphical user interface»
MainFrame
ObjetoMostrar:LinkedList<String>
Prueba:String[]
-app:App
-jTextField1:-jTextField
-jTextField2:-jTextField
-jPanel1:jPanel
-jLabel1:jLabel
-jLabel2:jLabel
-jComboBox2:jComboBox
-AddAbstract:JButton
-LoadAbstract:JButton
-InstructionsButton:JButton
-SearchHash:JButton
-SearchedWord:j_TextField
-DisplayListButton:JButton
-initComponents():void
-LoadAbstractActionPerformed(ActionEvent evt):void
-SearchHashActionPerformed(ActionEvent evt):void
-DisplayListButtonActionPerformed(ActionEvent evt):void
-AddAbstractActionPerformed(ActionEvent evt):void
-InstructionsButtonActionPerformed(ActionEvent evt):void
-CloseButtonActionPerformed(java.awt.event.ActionEvent):void
-saveDataOnClose():void
-loadSelectedFile():void
+main(String args[]):void
Displays
Generates
MetroMendeleyLoutphiRuizzZaherAlDeen
+main(String args[]):void
«graphical user interface»
InstructionsFrame
-jLabel1:JLabel
-jLabel2:JLabel
-jLabel3:JLabel
-jPanel1:JPanel
-jScrollPane2:JScrollPane
-jTextArea1:JTextArea
-CloseButton:JButton
-initComponents():void
-CloseButtonActionPerformed(java.awt.event.ActionEvent):void
+main():void