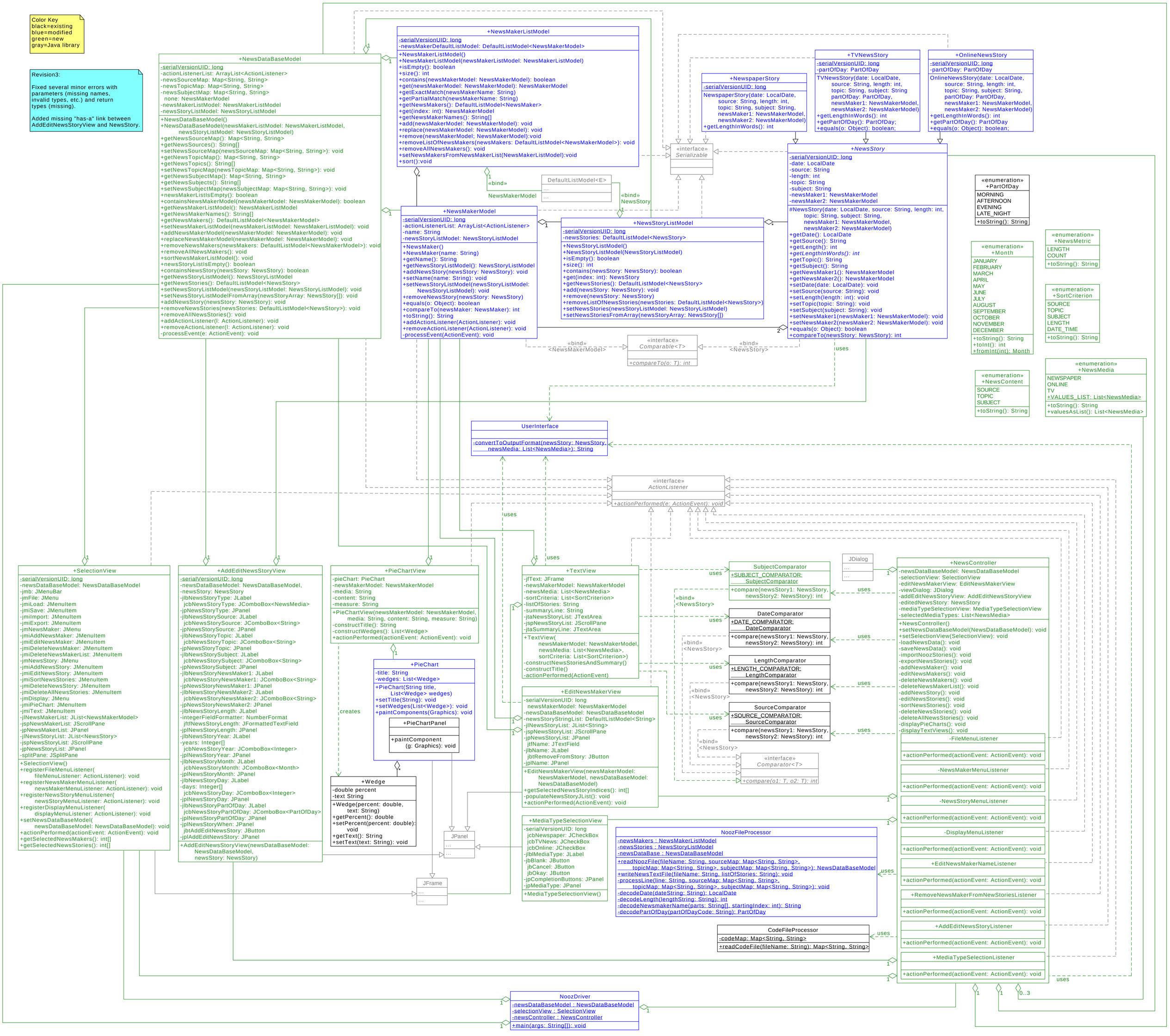
Color Key
black=existing
blue=modified
green=new
gray=Java library
Revision3:
Fixed several minor errors with parameters (missing names, invalid types, etc.) and return types (missing).
Added missing "has-a" link between AddEditNewsStoryView and NewsStory.
+NewsDataBaseModel
-serialVersionUID: long
-actionListenerList: ArrayList<ActionListener>
-newsSourceMap: Map<String, String>
-newsTopicMap: Map<String, String>
-newsSubjectMap: Map<String, String>
none: NewsMakerModel
-newsMakerListModel: NewsMakerListModel
-newsStoryListModel: NewsStoryListModel
+NewsDataBaseModel()
+NewsDataBaseModel(newsMakerListModel: NewsMakerListModel, newsStoryListModel: NewsStoryListModel)
+getNewsSourceMap(): Map<String, String>
+getNewsSources(): String[]
+setNewsSourceMap(newsSourceMap: Map<String, String>): void
+getNewsTopicMap(): Map<String, String>
+getNewsTopics(): String[]
+setNewsTopicMap(newsTopicMap: Map<String, String>): void
+getNewsSubjectMap(): Map<String, String>
+getNewsSubjects(): String[]
+setNewsSubjectMap(newsSubjectMap: Map<String, String>): void
+newsMakerListIsEmpty(): boolean
+containsNewsMakerModel(newsMakerModel: NewsMakerModel): boolean
+getNewsMakerListModel(): NewsMakerListModel
+getNewsMakerNames(): String[]
+getNewsMakers(): DefaultListModel<NewsMakerModel>
+setNewsMakerListModel(newsMakerListModel: NewsMakerListModel): void
+addNewsMakerModel(newsMakerModel: NewsMakerModel): void
+replaceNewsMakerModel(newsMakerModel: NewsMakerModel): void
+removeNewsMakers(newsMakers: DefaultListModel<NewsMakerModel>): void
+removeAllNewsMakers(): void
+sortNewsMakerListModel(): void
+newsStoryListIsEmpty(): boolean
+containsNewsStory(newsStory: NewsStory): boolean
+getNewsStoryListModel(): NewsStoryListModel
+getNewsStories(): DefaultListModel<NewsStory>
+setNewsStoryListModel(newsStoryListModel: NewsStoryListModel): void
+setNewsStoryListModelFromArray(newsStoryArray: NewsStory[]): void
+addNewsStory(newsStory: NewsStory): void
+removeNewsStories(newsStories: DefaultListModel<NewsStory>): void
+removeAllNewsStories(): void
+addActionListener(l: ActionListener): void
+removeActionListener(l: ActionListener): void
-processEvent(e: ActionEvent): void
+NewsMakerListModel
-serialVersionUID: long
-newsMakerDefaultListModel: DefaultListModel<NewsMakerModel>
+NewsMakerListModel()
+NewsMakerListModel(newsMakerListModel: NewsMakerListModel)
+isEmpty(): boolean
+size(): int
+contains(newsMakerModel: NewsMakerModel): boolean
+get(newsMakerModel: NewsMakerModel): NewsMakerModel
+getExactMatch(newsMakerName: String)
+getPartialMatch(newsMakerName: String)
+getNewsMakers(): DefaultListModel<NewsMaker>
+get(index: int): NewsMakerModel
+getNewsMakerNames(): String[]
+add(newsMakerModel: NewsMakerModel): void
+replace(newsMakerModel: NewsMakerModel): void
+remove(newsMakerModel: NewsMakerModel):void
+removeListOfNewsMakers(newsMakers: DefaultListModel<NewsMakerModel>): void
+removeAllNewsMakers(): void
+setNewsMakersFromNewsMakerList(NewsMakerListModel):void
+sort():void
«bind»
NewsMakerModel
DefaultListModel<E>
...
...
«bind»
NewsStory
+NewsMakerModel
-serialVersionUID: long
-actionListenerList: ArrayList<ActionListener>
-name: String
-newsStoryListModel: NewsStoryListModel
+NewsMaker()
+NewsMaker(name: String)
+getName(): String
+getNewsStoryListModel(): NewsStoryListModel
+addNewsStory(newsStory: NewsStory): void
+setName(name: String): void
+setNewsStoryListModel(newsStoryListModel: NewsStoryListModel): void
+removeNewsStory(newsStory: NewsStory)
+equals(o: Object): boolean
+compareTo(newsMaker: NewsMaker): int
+toString(): String
+addActionListener(ActionListener): void
+removeActionListener(ActionListener): void
-processEvent(ActionEvent): void
+NewsStoryListModel
-serialVersionUID: long
-newsStories: DefaultListModel<NewsStory>
+NewsStoryListModel()
+NewsStoryListModel(NewsStoryListModel)
+isEmpty(): boolean
+size(): int
+contains(newsStory: NewsStory): boolean
+get(index: int): NewsStory
+getNewsStories(): DefaultListModel<NewsStory>
+add(newsStory: NewsStory): void
+remove(newsStory: NewsStory)
+removeListOfNewsStories(newsStories: DefaultListModel<NewsStory>)
+setNewsStories(newsStoryListModel: NewsStoryListModel)
+setNewsStoriesFromArray(newsStoryArray: NewsStory[])
«interface»
Serializable
+NewspaperStory
-serialVersionUID: long
NewspaperStory(date: LocalDate, source: String, length: int, topic: String, subject: String, newsMaker1: NewsMakerModel, newsMaker2: NewsMakerModel)
+getLengthInWords(): int
+TVNewsStory
-serialVersionUID: long
-partOfDay: PartOfDay
TVNewsStory(date: LocalDate, source: String, length: int, topic: String, subject: String partOfDay: PartOfDay, newsMaker1: NewsMakerModel, newsMaker2: NewsMakerModel)
+getLengthInWords(): int
+getPartOfDay(): PartOfDay;
+equals(o: Object): boolean;
+OnlineNewsStory
-serialVersionUID: long
-partOfDay: PartOfDay
OnlineNewsStory(date: LocalDate, source: String, length: int, topic: String, subject: String, partOfDay: PartOfDay, newsMaker1: NewsMakerModel, newsMaker2: NewsMakerModel)
+getLengthInWords(): int
+getPartOfDay(): PartOfDay
+equals(o: Object): boolean;
+NewsStory
-serialVersionUID: long
-date: LocalDate
-source: String
-length: int
-topic: String
-subject: String
-newsMaker1: NewsMakerModel
-newsMaker2: NewsMakerModel
#NewsStory(date: LocalDate, source: String, length: int, topic: String, subject: String, newsMaker1: NewsMakerModel, newsMaker2: NewsMakerModel)
+getDate(): LocalDate
+getSource(): String
+getLength(): int
+getLengthInWords(): int
+getTopic(): String
+getSubject(): String
+getNewsMaker1(): NewsMakerModel
+getNewsMaker2(): NewsMakerModel
+setDate(date: LocalDate): void
+setSource(source: String): void
+setLength(length: int): void
+setTopic(topic: String): void
+setSubject(subject: String): void
+setNewsMaker1(newsMaker1: NewsMakerModel): void
+setNewsMaker2(newsMaker2: NewsMakerModel): void
+equals(o: Object): boolean
+compareTo(newsStory: NewsStory): int
«enumeration»
+PartOfDay
MORNING
AFTERNOON
EVENING
LATE_NIGHT
+toString(): String
«enumeration»
+Month
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY
AUGUST
SEPTEMBER
OCTOBER
NOVEMBER
DECEMBER
+toString(): String
+toInt(): int
+fromInt(int): Month
«enumeration»
+NewsMetric
LENGTH
COUNT
+toString(): String
«enumeration»
+SortCriterion
SOURCE
TOPIC
SUBJECT
LENGTH
DATE_TIME
+toString(): String
«enumeration»
+NewsContent
SOURCE
TOPIC
SUBJECT
+toString(): String
«enumeration»
+NewsMedia
NEWSPAPER
ONLINE
TV
+VALUES_LIST: List<NewsMedia>
+toString(): String
+valuesAsList(): List<NewsMedia>
«interface»
Comparable<T>
+compareTo(o: T): int
«bind»
<NewsMakerModel>
«bind»
<NewsStory>
uses
UserInterface
-convertToOutputFormat(newsStory: NewsStory, newsMedia: List<NewsMedia>): String
«interface»
ActionListener
+actionPerformed(e: ActionEvent): void
+SelectionView
-serialVersionUID: long
-newsDataBaseModel: NewsDataBaseModel
-jmb: JMenuBar
-jmFile: JMenu
-jmiLoad: JMenuItem
-jmiSave: JMenuItem
-jmiImport: JMenuItem
-jmiExport: JMenuItem
-jmNewsMaker: JMenu
-jmiAddNewsMaker: JMenuItem
-jmiEditNewsMaker: JMenuItem
-jmiDeleteNewsMaker: JMenuItem
-jmiDeleteNewsMakerList: JMenuItem
-jmNewsStory: JMenu
-jmiAddNewsStory: JMenuItem
-jmiEditNewsStory: JMenuItem
-jmiSortNewsStories: JMenuItem
-jmiDeleteNewsStory: JMenuItem
-jmiDeleteAllNewsStories: JMenuItem
-jmDisplay: JMenu
-jmiPieChart: JMenuItem
-jmiText: JMenuItem
-jlNewsMakerList: JList<NewsMakerModel>
-jspNewsMakerList: JScrollPane
-jpNewsMakerList: JPanel
-jlNewsStoryList: JList<NewsStory>
-jspNewsStoryList: JScrollPane
-jpNewsStoryList: JPanel
-splitPane: JSplitPane
+SelectionView()
+registerFileMenuListener(fileMenuListener: ActionListener): void
+registerNewsMakerMenuListener(newsMakerMenuListener: ActionListener): void
+registerNewsStoryMenuListener(newsStoryMenuListener: ActionListener): void
+registerDisplayMenuListener(displayMenuListener: ActionListener): void
+setNewsDataBaseModel(newsDataBaseModel: NewsDataBaseModel): void
+actionPerformed(actionEvent: ActionEvent): void
+getSelectedNewsMakers(): int[]
+getSelectedNewsStories(): int[]
+AddEditNewsStoryView
-serialVersionUID: long
-newsDataBaseModel: NewsDataBaseModel,
-newsStory: NewsStory
-jlbNewsStoryType: JLabel
jcbNewsStoryType: JComboBox<NewsMedia>
-jpNewsStoryType: JPanel
-jlbNewsStorySource: JLabel
jcbNewsStorySource: JComboBox<String>
-jpNewsStorySource: JPanel
-jlbNewsStoryTopic: JLabel
jcbNewsStoryTopic: JComboBox<String>
-jpNewsStoryTopic: JPanel
-jlbNewsStorySubject: JLabel
jcbNewsStorySubject: JComboBox<String>
-jpNewsStorySubject: JPanel
-jlbNewsStoryNewsMaker1: JLabel
jcbNewsStoryNewsMaker1: JComboBox<String>
-jpNewsStoryNewsMaker1: JPanel
-jlbNewsStoryNewsMaker2: JLabel
jcbNewsStoryNewsMaker2: JComboBox<String>
-jpNewsStoryNewsMaker2: JPanel
-jlbNewsStoryLength: JLabel
-integerFieldFormatter: NumberFormat
jftfNewsStoryLength: JFormattedTextField
-jplNewsStoryLength: JPanel
-jlbNewsStoryYear: JLabel
-years: Integer[]
jcbNewsStoryYear: JComboBox<Integer>
-jplNewsStoryYear: JPanel
-jlbNewsStoryMonth: JLabel
jcbNewsStoryMonth: JComboBox<Month>
-jplNewsStoryMonth: JPanel
-jlbNewsStoryDay: JLabel
-days: Integer[]
jcbNewsStoryDay: JComboBox<Integer>
-jplNewsStoryDay: JPanel
-jlbNewsStoryPartOfDay: JLabel
jcbNewsStoryPartOfDay: JComboBox<PartOfDay>
-jplNewsStoryPartOfDay: JPanel
-jplNewsStoryWhen: JPanel
jbtAddEditNewsStory: JButton
-jplAddEditNewsStory: JPanel
+AddEditNewsStoryView(newsDataBaseModel: NewsDataBaseModel, newsStory: NewsStory)
+PieChartView
-pieChart: PieChart
-newsMakerModel: NewsMakerModel
-media: String
-content: String
-measure: String
+PieChartView(newsMakerModel: NewsMakerModel, media: String, content: String, measure: String)
-constructTitle(): String
-constructWedges(): List<Wedge>
+actionPerformed(actionEvent: ActionEvent): void
+PieChart
-title: String
-wedges: List<Wedge>
+PieChart(String title, List<Wedge> wedges)
+setTitle(String): void
+setWedges(List<Wedge>): void
+paintComponents(Graphics): void
+PieChartPanel
+paintComponent(g: Graphics): void
creates
+Wedge
-double percent
-text String
+Wedge(percent: double, text: String)
+getPercent(): double
+setPercent(percent: double): void
+getText(): String
+setText(text: String): void
JPanel
...
...
JFrame
...
...
+TextView
-jfText: JFrame
-newsMakerModel: NewsMakerModel
-newsMedia: List<NewsMedia>
-sortCriteria: List<SortCriterion>
-listOfStories: String
-summaryLine: String
-jtaNewsStoryList: JTextArea
-jspNewsStoryList: JScrollPane
-jtaSummaryLine: JTextArea
+TextView(newsMakerModel: NewsMakerModel, newsMedia: List<NewsMedia>, sortCriteria: List<SortCriterion>)
-constructNewsStoriesAndSummary()
-constructTitle()
-actionPerformed(ActionEvent)
+EditNewsMakerView
-serialVersionUID: long
newsMakerModel: NewsMakerModel
-newsDataBaseModel: NewsDataBaseModel
-newsStoryStringList: DefaultListModel<String>
-jlNewsStoryList: JList<String>
-jspNewsStoryList: JScrollPane
-jpNewsStoryList: JPanel
jtfName: JTextField
-jlbName: JLabel
jbtRemoveFromStory: JButton
-jplName: JPanel
+EditNewsMakerView(newsMakerModel: NewsMakerModel, newsDataBaseModel: NewsDataBaseModel)
+getSelectedNewsStoryIndices(): int[]
-populateNewsStoryJList(): void
+actionPerformed(ActionEvent): void
+MediaTypeSelectionView
-serialVersionUID: long
jcbNewspaper: JCheckBox
jcbTVNews: JCheckBox
jcbOnline: JCheckBox
-jlblMediaType: JLabel
-jbBlank: JButton
jbCancel: JButton
jbOkay: JButton
-jpCompletionButtons: JPanel
-jpMediaType: JPanel
+MediaTypeSelectionView()
SubjectComparator
+SUBJECT_COMPARATOR: SubjectComparator
+compare(newsStory1: NewsStory, newsStory2: NewsStory): int
DateComparator
+DATE_COMPARATOR: DateComparator
+compare(newsStory1: NewsStory, newsStory2: NewsStory): int
LengthComparator
+LENGTH_COMPARATOR: LengthComparator
+compare(newsStory1: NewsStory, newsStory2: NewsStory): int
SourceComparator
+SOURCE_COMPARATOR: SourceComparator
+compare(newsStory1: NewsStory, newsStory2: NewsStory): int
«interface»
Comparator<T>
+compare(o1: T, o2: T): int
JDialog
...
...
+NewsController
-newsDataBaseModel: NewsDataBaseModel
-selectionView: SelectionView
-editNewsMakerView: EditNewsMakerView
-viewDialog: JDialog
-addEditNewsStoryView: AddEditNewsStoryView
-editedNewsStory: NewsStory
-mediaTypeSelectionView: MediaTypeSelectionView
-selectedMediaTypes: List<NewsMedia>
+NewsController()
+setNewsDataBaseModel(NewsDataBaseModel): void
+setSelectionView(SelectionView): void
-loadNewsData(): void
-saveNewsData(): void
-importNoozStories(): void
-exportNewsStories(): void
-addNewsMaker(): void
-editNewsMakers(): void
-deleteNewsMakers(): void
-deleteNewsMakerList(): void
-addNewsStory(): void
-editNewsStories(): void
-sortNewsStories(): void
-deleteNewsStories(): void
-deleteAllNewsStories(): void
-displayPieCharts(): void
-displayTextViews(): void
-FileMenuListener
+actionPerformed(actionEvent: ActionEvent): void
-NewsMakerMenuListener
+actionPerformed(actionEvent: ActionEvent): void
-NewsStoryMenuListener
+actionPerformed(actionEvent: ActionEvent): void
-DisplayMenuListener
+actionPerformed(actionEvent: ActionEvent): void
+EditNewsMakerNameListener
+actionPerformed(actionEvent: ActionEvent): void
+RemoveNewsMakerFromNewStoriesListener
+actionPerformed(actionEvent: ActionEvent): void
+AddEditNewsStoryListener
+actionPerformed(actionEvent: ActionEvent): void
+MediaTypeSelectionListener
+actionPerformed(actionEvent: ActionEvent): void
NoozFileProcessor
-newsMakers : NewsMakerListModel
-newsStories : NewsStoryListModel
-newsDataBase : NewsDataBaseModel
+readNoozFile(fileName: String, sourceMap: Map<String, String>, topicMap: Map<String, String>, subjectMap: Map<String, String>): NewsDataBaseModel
+writeNewsTextFile(fileName: String, listOfStories: String): void
-processLine(line: String, sourceMap: Map<String, String>, topicMap: Map<String, String>, subjectMap: Map<String, String>): void
-decodeDate(dateString: String): LocalDate
-decodeLength(lengthString: String): int
-decodeNewsmakerName(parts: String[], startingIndex: int): String
-decodePartOfDay(partOfDayCode: String): PartOfDay
CodeFileProcessor
-codeMap: Map<String, String>
+readCodeFile(fileName: String): Map<String, String>
NoozDriver
-newsDataBaseModel : NewsDataBaseModel
-selectionView : SelectionView
-newsController : NewsController
+main(args: String[]): void