CyberCop

DEFAULT_PATH: String = "data"
DEFAULT_HTML: String = "/Cybercop.html"
APP_TITLE: String = "Cyber Cop"
currentCase: Case
ccView: CCView
ccModel: CCModel
caseView: CaseView
cyberCopRoot: GridPane
stage: Stage

main(args: String[]): void
start(stage: Stage): void
setupBindings(): void

Application

...some other methods

start(stage: Stage): void

CCModel

caseList: ObservableList<Case>
caseMap: ObservableMap<String, Case>
yearMap: Observable<String, List<Case>>
yearList: Observable<String>

readCases(filename: String): void
buildYearMapAndList(): void
searchCases(title: String, type: String,
    year: String, number: String): List<Case>

CaseReaderFactory

createReader(filename: String): CaseReader

uses

creates

CaseView

CASE_WIDTH: int = 800
CASE_HEIGHT: int = 500

updateButton: Button
clearButton: Button
closeButton: Button

...all GUI elements

CaseView(header: String)
buildView(): Stage

CCView

webEngine: WebEngine
ccWidth: double
ccHeight: double
isFileOpen: BooleanProperty
...all gui components

setupScreen(): GridPane
setupMenus(): MenuBar
showWebView(): StackPane

AddCaseView

AddCaseView(header: String)
buildView(): Stage

ModifyCaseView

ModifyCaseView(header: String)
buildView(): Stage

DeleteCaseView

DeleteCaseView(header: String)
buildView(): Stage

displays

displays

CaseReader

filename: String

CaseReader(String filename)
readCases(): List<Case>

reads

CSVCaseReader

CSVCaseReader(String filename)
readCases(): List<Case>

TSVCaseReader

TSVCaseReader(String filename)
readCases(): List<Case>

Case

-caseDate: StringProperty
-caseTitle: StringProperty
-caseType: StringProperty
-caseNumber: StringProperty
-caseLink: StringProperty
-caseCategory: StringProperty
-caseNotes: StringProperty

Case(caseDate: String, caseTitle: String, caseType: String,
    caseNumber: String, caseLink: String, caseCategory: String,
    caseNotes: String)

+getCaseDate(): String
+setCaseDate(date: String): void
+caseDateProperty(): StringProperty

+getCaseTitle(): String
+setCaseTitle(title: String): void
+caseTitleProperty(): StringProperty

+getCaseType(): String
+setCaseType(type: String): void
+caseTypeProperty(): StringProperty

+getCaseNumber(): String
+setCaseNumber(number: String): void
+caseNumberProperty(): StringProperty

+getCaseLink(): String
+setCaseLink(link: String): void
+caseLinkProperty(): StringProperty

+getCaseCategory(): String
+setCaseCategory(category: String): void
+caseCategoryProperty(): StringProperty

+getCaseNotes(): String
+setCaseNotes(notes: String): void
+caseNotesProperty(): StringProperty

+compareTo(case: Case): int
+toString(): String

Comparable Case

compareTo(case: Case): int

Figure 4: Cyber Cop 2.0 Class Diagram