Class

ClassInfo

Creates a structure to hold info describing a class, and reads the info from interactive popups or from a file. A single thingInfo holds the class name and description. Array lists of thingInfo hold the names, types, and descriptions of the fields, the constructors, and the methods.

Fields

classInfo
    type: thingInfo
    Class name and description. Does not use the type field of thingInfo.

fieldInfo
    type: ArrayList<thingInfo>
    Array list of field names, types, and descriptions

constructorInfo
    type: ArrayList<thingInfo>
    Array list of constructor names and descriptions. Does not use the type field of thingInfo.

methodInfo
    type: ArrayList<thingInfo>
    Array list of method names, return types, and descriptions

baseFilename
    type: String
    Base file name constructed from the class name

cssFilename
    type: String
    File name for the style sheet

baseDirname
    type: String
    Name of directory holding the input file

htmlFilename
    type: String
    File name for the HTML file

latexFilename
    type: String
    File name for the LaTex file

needsCSSwritten
    type: boolean
    True unless an existing css file is found

swapit
    type: boolean
    Indicates order of the type and name information for fields and methods

Constructors

ClassInfo(String fname,String dirname,boolean swap)
    Reads input from either a file or from popup dialogs

ClassInfo(ClassInfo orig)
    Copy constructor, but only copying strings so that they might be filtered for latex or html reserved characters

Methods

makeFilenames() *Returns void*
    Creates the filenames and directories and determines whether a css file is present

resetVals(ClassInfo orig) *Returns void*
    Clones the strings from orig. Used to reset filtered strings to the original values

SetParamVals(String msg,int maxit) *Returns ArrayList<String>*
    Use a dialog to get a number of strings containing information

breakItUp(String msg) *Returns ArrayList<String>*
    Break up a string into a number of substrings at each forward slash delimiter