util

XLBufferedReader

+ XLBufferedReader(File)
+ load(Map<String, Object>) : void

XLException

+ XLException(String)

XLPrintStream

+ XLPrintStream(String)
+ save(Set<Entry<String, Object>>) : void

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menu

LoadMenuItem

+LoadMenuItem(XL, Stage)

SaveMenuItem

+SaveMenuItem(XL, Stage)

XlMenu

+XlMenu(XL, Stage)

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gui

ColumnHeader

+ColumnHeader (int column)

RowHeader

+ RowHeader(int row)

XL

- ObjectProperty<GridCell> currentCell
- Map<String, GridCell> cells
- XLModel model

+ XL()
+ onCellSelected(GridCell cell): void
+ start(Stage stage) :void
+ cellValueUpdated(String address, String value)
+ loadFile(File file): void
+ saveFile(File file) : void

<<interface>>
CellSelectionObserver

+selectionChanged(GridCell) : void

GridCell

+ GridCell(CellAddress address, CellSelectionObserver listener)
+ onSelect() : void
+ onDeselect() : void

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model

<<interface>>
ModelObserver

+ modelChange(CellAddress, String) : void

CellAdress

+row: int
+col:int

+CellAdress(int, int)
+columnAdress(int) : String
+rowAdress(int) : String

<<interface>>
ObservableModel

+ addListenever(ModelObserver) : void
+ deleteAllListeners() : void

XlModel

+ ROWS: int = 10
+ COLUMNS:int = 10
- ExprParser;
- Map<String, String>
- List<ModelObserver>
- Set<String>

+ update(CellAddress, String) : void
+ readCell(CellAddress) : String
+ update(CellAdress,String) : void
+ loadFile(File) : void
+ saveFile(File) : void

expr

<<interface>>
Environment

+ value(String) : ExprResult