

CalcModel Architecture

MainActivity

- *Toolbar::view*
- *... all other views*
- Lifecycle-methods:
- onCreate:onClickBtn->inputButton
- onResume

Implements

Interface View

- buttonText[setBtnText/getBtnText]: set and get Buttontexts
- selection[getSelectionStartEingabe, getSelectionEndEingabe, getSelectionStartAusgabe, getSelectionEndAusgabe, getSelection, setSelectionEingabe, setSelectionAusgabe]: set and get selection in et_eingabe / et_ausgabe
- setText[eingabe-, ausgabe-]: set and get Text in et_eingabe
- clearFocus[eingabe, ausgabe]: focus et_eingabe / et_ausgabe

Presenter

- *calcModel::CalcModel*
- *view::MainActivity*
- **setMode/getMode**: propagate mode change to model
- **setInputText/addInputText**: *setTextEingabe* and *eingabeSetText*
- **replaceSelection/getSelection**: set and get selection view
- **inputButton/inputButtonLongClick**: propagate buttoninput to model

CalcModel

- *static: precisionDigits:: int*
- *static: noImmediatOps:: Set<String>*
- *context:: Context*
- *inputString::NavigatableString*
- *outputString::String*
- *memory::*
- *mode::String*
- *language::String*
- *scientificNotation::boolean*
- Getter/Setter:
 - Memory: *getMemory, setMemory*
 - OutputString: *setOutputString, getOutputString*
 - InputString: *getInputText, setInputText*
 - Mode: *getMode, setMode*
 - Language: *getLanguage, setLanguage*
 - ScientificNotation: *isScientificNotation, toggleScientificNotation*
- InputString: *~DisplayableString, ~GetResult, NormalToScientific, ScientificToNormal*
- *translateInputButton*: returns the text for the Buttons
- *addInputText*:
- *isConsistent*: