FIT3077 Assignment 3 Class Diagram

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Lucid Chart Link: https://lucid.app/lucidchart/invitations/accept/inv_9efa2639-050c-4337-ba94-af80e0df19ff

mainview

Application
+ API_KEY_FILE_NAME:String
+ myApiKey:String
+ rootUrl:String

+ main(String[] args):void

AuthenticationView
+ panel:Jpanel
+ userLabel:JLabel
+ userText:JTextField
+ passwordLabel:JLabel
+ passwordText:JPasswordField
+ loginButton:JButton
- PREFERRED_SIZE:Dimension
- MAX_INPUT_LENGTH:int

+ AuthenticationView(Display display)
- placeComponents():void
+ getUserName():String
+ getPassword():String

Utils

ContractDurationFrame
- three:JRadioButtonMenuItem
- six:JRadioButtonMenuItem
- twelve:JRadioButtonMenuItem
- twtyfour:JRadioButtonMenuItem
- longer:JRadioButtonMenuItem
- longerduration:JTextField
- options:ButtonGroup
- selectedDuration:int

+ ContractDurationFrame()
+ show():void
+ reload():void
+ getselectedduration():int

<>
View

<<interface>>
MessageView

<<interface>>
MouseClickListener

<<interface>>
NavigationPane

Controller

Display
- frame:JFrame
+ FRAME_WIDTH:int
+ FRAME_HEIGHT:int

+ Display()
+ createPanel(JComponent panel):void
+ setVisible():void
+ removePanel(JComponent panel):void
+ closeWindow():void

<<interface>>
Observer

NearExpiryContractFrame
+ contracts:List<Contract>

+ NearExpiryContractFrame(List<Contract> contracts)
+ show():void

NotificationFrame
- message:String

+ NotificationFrame(String message)
+ show():void

HomeView
- user:User
+ panel:Jpanel
+ studentButton:JButton
+ tutorButton:JButton
+ logout:JButton

+ HomeView(Display display, User user)
- placeComponents():void

ListPanel

+ ListPanel(List<JComponent> comp)

model

Bid

BidAddInfo

BidResponse

Contract

ContractCessationInfo

ContractAddInfo

MessageAddInfo

MatchRequest

Message

Subject

User

Monitor

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Observable

<<interface>>
Model

studentview

ContractReuse

CreateRequest

ReviseContractTeam

StudentAllBids

StudentResponseView

StudentAllContracts

StudentMessageView

StudentView

tutorview

CreateBid

TutorResponseView

TutorAllBids

TutorMonitorView

TutorAllContracts

TutorMessageView

TutorView