

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

ContractDurationFrame

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

+ ContractDurationFrame()
+ show():void
- reload():void
+ getselecteddduration():int

Controller

Display

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

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

NearExpiryContractFrame

+ contracts:List<Contract>

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

<<interface>>
NavigationPane

<<interface>>
MouseClickedListener

<<interface>>
MessageView

HomeView

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

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

NotificationFrame

- message:String

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

<<interface>>
Observer

RemovablePanel

Utils

<<abstract>>
View

| Bid |
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| BidAddInfo |
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| BidResponse |
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| Contract |
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| Monitor |
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| ContractCessationInfo |
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| ContractAddInfo |
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| MessageAddInfo |
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| Subject |
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| EventType |
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| MatchRequest |
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| Message |
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| <<interface>> Model |
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| User |
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| <<abstract>> Observable |
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| ContractReuse |
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| StudentAllBids |
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| ReviseContractTerm |
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| CreateSameTutorContract |
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| StudentAllContracts |
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| StudentResponseView |
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| StudentMessageView |
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| StudentView |
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| CreateRequest |
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| TutorMonitorView |
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| TutorResponseView |
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| CreateBid |
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| TutorAllContracts |
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| TutorView |
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| TutorAllBids |
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| TutorMessageView |
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