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studentview

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- CreateSameTutorContract
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- StudentView
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model

- Bid
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- Contract
- Monitor
- ContractCessationInfo
- ContractAddInfo
- MessageAddInfo
- Subject
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- <<interface>> Model
- User
- <> Observable

tutorview

- TutorMonitorView
- TutorResponseView
- CreateBid
- TutorAllContracts
- TutorView
- TutorAllBids
- TutorMessageView

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

ContractDurationFrame

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

- + ContractDurationFrame()
- + show():void
- - reload():void
- + getselectedduration():int
- - isNumeric(String s):Boolean
- + getDuration():int

Controller

Display

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

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

<<interface>> MessageView

- + getLogArea(List<String> messageLog)
- + getChatBox()

HomeView

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

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

NearExpiryContractFrame

- + contracts:List<Contract>

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

<<interface>> NavigationPane

- + showNavigationPane(Display display, JPanel parent, JButton[] buttons):void

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<<interface>> MouseClickListener

- + mousePressed(MouseEvent e):void
- + mouseReleased(MouseEvent e):void
- + mouseEntered(MouseEvent e):void
- + mouseExited(MouseEvent e) :void

NotificationFrame

- - message:String

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

<<interface>> Observer

- + update(EventType e):void

RemovablePanel

- + RemovablePanel()
- + RemovablePanel(LayoutManager layout)
- + onRemoved():void
- + onAttached():void

Utils

- - mapper:ObjectMapper
- + format:SimpleDateFormat
- + SUCCESS_CONTRACT_CREATION:NotificationFrame
- + SUCCESS_BID_CREATION:NotificationFrame
- + INSUFFICIENT_COMPETENCY:NotificationFrame
- + SUCCESS_MATCH_REQUEST:NotificationFrame
- + PLEASE_FILL_IN:NotificationFrame
- + INVALID_FIELDS:NotificationFrame
- + REACHED_CONTRACT_LIMIT:NotificationFrame
- + CONTRACT_SIGNED:NotificationFrame
- + OTHER_PARTY_PENDING:NotificationFrame
- + INVALID_USER:NotificationFrame
- + CANNOT_CREATE_BID:NotificationFrame
- + CANNOT_MODIFY_BID:NotificationFrame

- + formatDate(String datetime):Date

<> View

- - display:Display
- - homeButton:JButton
- + activePanel:RemovablePanel

- + View(Display display)
- + display():void
- - createPanel(LayoutManager layout):JPanel
- - createPanel():JPanel
- - placeComponents():void
- - setSwitchPanelListener(RemovablePanel panel, Component comp, View newView):void
- + mouseClicked(MouseEvent e):void
- - setSwitchPanelListener(JPanel main, Component comp, RemovablePanel newPanel):void
- + mouseClicked(MouseEvent e):void
- - addMouseListener(JComponent component, MouseClickListener listener):void

model

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