pkg

ClientInformationUI
- namePanel : JPanel
- phoneNumberPanel : JPanel
- emailPanel : JPanel
- contractIDPanel : JPanel
- contractDurationPanel : JPanel
- startDatePanel : JPanel
- addressPanel : JPanel
- zipPanel : JPanel
- statePanel : JPanel
- countryPanel : JPanel
- passwordPanel : JPanel
- rewritePasswordPanel : JPanel
- emergencyContactFirstPanel : JPanel
- emergencyContactSecondPanel : JPanel
- buttonPanel : JPanel
- nameLabel : JLabel
- nameTextField : JPanel
- phoneNumberLabel : JLabel
- phoneNumberTextField : JTextField
- emailLabel : JLabel
- emailTextField : JTextField
- contractIdLabel : JLabel
- contractIdTextField : JTextField
- addressLabel : JLabel
- addressTextField : JTextField
- zipLabel : JLabel
- zipTextField : JTextField
- stateLabel : JLabel
- stateTextField : JTextField
- countryLabel : JLabel
- countryTextField : JTextField
- passwordLabel : JLabel
- passwordTextField : JTextField
- rewritePasswordLabel : JLabel
- rewritePasswordTextField : JTextField
- emergencyContactFirstLabel : JLabel
- emergencyContactFirstTextField : JTextField
- emergencyContactSecondLabel : JLabel
- emergencyContactSecondTextField : JTextField
- startDateLabel : JLabel
- contractDurationLabel : JLabel
- sixMonthDuration : JRadioButton
- oneYearDuration : JRadioButton
- twoYearDuration : JRadioButton
- threeYearDuration : JRadioButton
- fiveYearDuration : JRadioButton
- confirm : JButton
- bg : Buttongroup
- startDateTextField : JTextField
- startDateButton : JButton

+ ClientInformationUI()
+ getInfoForm() : JPanel

HomePageUI
- sidePanel : JPanel
- createNewUser : JButton
- updateExistingUser : JButton
- simulation : JButton
- sensorConfiguration : JButton
- generateBill : JButton
- informationPanel : JPanel

+ HomePageUI()
+ createAndShowGui() : void
+ Main() : void

BillGeneratorFrontPageUI
- customerPanel : JPanel
- contractLabel : JLabel
- customerLabel : JLabel
- customerTextField : JTextField
- passwordPanel : JPanel
- passwordTextField : JPasswordField
- confirmPanel : JPanel
- confirm : JButton
- billPanel : JPanel
- month : JButton
- displayMonth : JComboBox

+ BillGeneratorFrontPageUI()
+ getContractID() : String
+ getMonth() : String
+ getValidateIDPass() : JPanel

BillGeneratorTableUI
- billPanel : JPanel
- customerInformation : List

+ BillGeneratorTableUI()
+ getBillPanel() : JPanel

MonthList
+ getMonthList() : List

BillGeneratorController
- userName : String
- month : String

+ BillGenerator() : void
+ fetchCustomerInformation() : List
+ getMonth() : String

UpdatePanelVerificationUI
- mainPanel : JPanel
- customerPanel : JPanel
- PasswordPanel : JPanel
- confirmPanel : JPanel
- customerLabel : JLabel
- customerTextField : JTextField
- contractLabel : JLabel
- passwordLabel : JLabel
- passwordTextField : JTextField
- buttonPanel : JPanel
- confirm : JButton
- displayPanel : JPanel

+ UpdatedPanelVerificationUI()
+ getUpdateFrontPage() : JPanel

SimulateValidationUI
- customerPanel : JPanel
- contractLabel : JLabel
- customerTextField : JTextField
- passwordPanel : JPanel
- passwordLabel : JLabel
- passwordTextField : JPasswordField
- confirmPanel : JPanel
- confirm : JButton
- displayPanel : JPanel

+ SimulateValidationUI()
+ getConID() : String
+ getValidateSimulation() : JPanel

SensorConfigurationValidationUI
- customerPanel : JPanel
- contractLabel : JLabel
- customerTextField : JTextField
- passwordLabel : JLabel
- passwordTextField : JPasswordField
- confirmPanel : JPanel
- confirm : JButton
- sensorConfigurtionPanel : JPanel

+ SensorConfiguratorValidation()
+ getContractId() : String
+ getSensorConfigurationPanel() : JPanel

SensorConfigurationUI
- sensorConfigurationPanel : JPanel
- subPanel1 : JPanel
- subPanel2 : JPanel
- subPanel3 : JPanel
- subPanel4 : JPanel
- subPanel5 : JPanel
- subPanel6 : JPanel
- subPanel7 : JPanel
- subPanel8 : JPanel
- subPanel9 : JPanel
- subPanel10 : JPanel
- subPanel11 : JPanel
- sensorType : JComboBox
- sensorID : JTextField
- quantity : JTextField
- fromHours : JComboBox
- ToHours : JComboBox
- fromMinutes : JComboBox
- toMinutes : JComboBox
- toTime : JComboBox
- sensorInfo : JLabel
- sensorTime : JLabel
- sensorTypeName : JLabel
- sensorName : JLabel
- sensorQty : JLabel
- timeFrom : JLabel
- timeTo : JLabel
- ok : JButton
- location : JLabel
- locationCombo : JComboBox
- user : String

+ sensorConfiguratorUI()
+ getSensorConfigurator() : JPanel

FireSensorController
- contractId : String
- fireSensorQuantity : String
- fromTime : String
- toTime : String
- area : String

+ FireSensorInformationGetter()
+ saveDataInDatabase() : void

MotionSensorController
- contractId : String
- motionSensorQuantity : String
- fromTime : String
- toTime : String
- area : String

+ MotionSensorInformationController()
+ saveDataInDatabase() : void

UpdatedInformationController
+ UpdatedInformationController()
+ validatePassword() : boolean
+ fetchCustomerInformation() : List
+ updateInformation() : void

DateSelectorUI
- day : String
- dialog : JDialog
- month : String
- year : String
- dateLabel : JLabel
- dateButtonArray : JButton

+ DateSelectorUI()
+ convertSelectedDate() : void
+ showDate() : String

UpdatedInformationUI
- mainPanel : JPanel
- namePanel : JPanel
- phoneNumberPanel : JPanel
- emailPanel : JPanel
- contractIdPanel : JPanel
- contractDurationPanel : JPanel
- startDatePanel : JPanel
- addressPanel : JPanel
- zipPanel : JPanel
- statePanel : JPanel
- countryPanel : JPanel
- passwordPanel : JPanel
- rewritePasswordPanel : JPanel
- emergencyContactFirstPanel : JPanel
- emergencyContactSecondPanel : JPanel
- buttonPanel : JPanel
- nameLabel : HomePageUI
- nameTextField : JTextField
- phoneNumberLabel : JLabel
- phoneNumberTextField : JTextField
- emailLabel : JLabel
- emailTextField : JTextField
- contractIdLabel : JLabel
- contractIdTextField : JTextField
- addressLabel : JLabel
- addressTextField : JTextField
- zipLabel : JLabel
- zipTextField : JTextField
- stateLabel : JLabel
- stateTextField : JTextField
- countryLabel : JLabel
- countryTextField : JTextField
- passwordLabel : JLabel
- passwordTextField : JTextField
- rewritePasswordLabel : JLabel
- rewritePasswordTextField : JLabel
- emergencyContactFirstLabel : JLabel
- emergencyContactFirstTExtField : JTextField
- emergencyContactSecondFirstTextField : JTextField
- emergencyContactSecondLabel : JLabel
- startDateLabel : JLabel
- contractDurationLabel : JLabel
- sixMonthDuration : JRadioButton
- oneYearDuration : JRadioButton
- twoYearDuration : JRadioButton
- threeYearDuration : JRadioButton
- fiveYearDuration : JRadioButton
- confirm : JButton
- bg : JRadioButton
- startDateTextField : JTextField
- startDateButton : JButton
- customerInformation : List

+ UpdatedInformationUI()
+ getInfoForm() : JPanel

SimulationStartPageUI
- simulationPanel : JPanel
- confirm : JButton
- confirmDeactive : JButton
- sensorType : JComboBox
- user : String
- area : JComboBox
- fireCheckBox : JCheckBox
- motionCheckBox : JCheckBox
- selectLocation : JLabel
- selectLocationm : JLabel
- fireComboBox : JComboBox
- motionComboBox : JComboBox
- fireAt : JLabel
- motionAt : JLabel

+ SimulationStartPageUI(user : String)
+ getStartSimulationPanel() : JPanel
+ getFireCheckBoxStatus() : int
+ getMotionCheckBoxStatus() : int
+ getFireLocation() : String
+ getMotionLocation() : String

AlarmPanelUI
- alarmInfoPanel : JPanel
- callPanel : JPanel
- firePanel : JPanel
- motionPanel : JPanel
- callingLabel : JLabel
- callingTwoLabel : JLabel
- fireAlarmLabel : JLabel
- motionAlarmLabel : JLabel
- enterPassword : JLabel
- password : JPasswordField
- confirmDeactivate : JButton
- call : JLabel
- phone : JLabel
- user : String
- confirm : JButton

+ AlarmPanelUI(customerInfo : List, user : String)
+ getAlarmTrigger() : JPanel
+ getFirePanel() : JPanel
+ getMotionPanel() : JPanel

DataBaseConnection
+ saveCustomerInformation(customerData : String) : void
+ updateCustomerInformation(customerData : String, name : String) : void
+ validateUsernamePassword(userName : String, password : String) : void
+ getUserInformation(userName : String) : List
+ getSensorInformation(userName : String) : List
+ getSimulationInformation(contractId : String) : List
+ saveFireSimulationDataInDatabase(simulation : String) : void
+ saveMotionSensorDataInDatabase() : void
+ getFireSimulationData() : void
+ getSimulationMotionData() : void
+ saveMotionSensorDataInDatabase() : void
+ getMotionSensorInformation() : void
+ getFireArea() : void
+ getMotionArea() : void
+ saveMotionSimulationDataInDatabase() : void

SimulationController
- contractId : String
- typeSensor : String

+ simulatorController() : void
+ saveDataInDatabase() : void
+ fetchSimulation() : void
+ fetchFireArea() : void
+ fetchMotionArea() : void
+ saveFireSimulation() : void
+ saveMotionSimulation() : void

ClientInformationController
- name : String
- email : String
- phoneNumber : String
- contractId : String
- contractDuration : String
- contractStartDate : String
- address : String
- zip : String
- state : String
- country : String
- password : String
- emergencyContactFirst : String
- emergencyContactSecond : String

+ clientInformationController(name : String, email : String, phoneNumber : String, contractId : String, contractDuration : String, contractStartDate : String, address : String, zip : String, state : String, country : String, password : String, emergencyContactFirst : String, emergencyContactSecond : String)
+ saveInformationInDatabase() : void