clockOut()

initialize()

createSpinner()

createClockInAndOutFrame()

JsonReader JsonWriter GUI HourTrackingApp account account DARK MODE BACKGROUND actionPerformed() hoursWorked destination DARK MODE TEXT applyDarkMode() ison isonArray applyLightMode() JSON_STORE jsonObject **isonArray** LIGHT_MODE_BACKGROUND calculateWorkHours() jsonData writer LIGHT MODE TEXT chooseShiftTime() jsonObject account clockIn() **listOfAccounts** button clockOut() accountToJson() nextAccount createClockInAndOutFrame() choice close() password clockInButton createSpinner() listOfAccountsToJson() shift initialize() clockInTime open() source loadListOfAccounts() clockOutButton saveToFile() username printEventLog() clockOutTime write() wagePerHour correct promptForPassword() dateFormat promptForUsername() datePanel quit() «interface» addAccount() datePicker register() Writable parseListOfAccounts() saveListOfAccounts() duration read() setAccountShift() editor readFile() endTime setAccountWage() endTimeLabel setButtons() «interface» endTimeSpinner setLabel() WritableArray list Of Accounts event signIn() eventLog signInWithPassword() List Officeaunts frame toggleMode() viewHoursWorkedAndWage() frame2 list Of Account hours model hoursWorked 0...* calculateWorkHours() isDarkMode clockIn() jsonReader clockOut() Account ListOfAccount jsonWriter displayMenu() listOfAccounts loadListOfAccounts() account mainPanel eventLog menu() eventLog minutes quit() hoursWorked modeToggleButton register() json isonArray model runApp() password list option saveListOfAccounts() shift usernameTaken panel username signIn() password viewHoursWorkedAndWage() wagePerHour properties addAccount() quitButton getList() registerButton numOfAccount() containsNumber() result **DateLabelFormatter** searchAccount() containsUpperCase() seconds getHoursWorked() toJson() selectedDate dateFormatter getPassword() shift datePattern getShift() shiftDate getUsername() shiftTime **Event** getWagePerHour() signInButton setHoursWorked() HASH CONSTANT spinner stringToValue() setPassword() dateLogged startTime valueToString() setShift() description startTimeLabel setUsername() startTimeSpinner otherEvent setWagePerHour() timeFormat toJson() timeString **BouncingBox** validPassword() equals() timer validUsername() getDate() timerLabel boxSize getDescription() cordX username hashCode() cordY validWage **EventLog** toString() dx viewButton dy wage events wageInput image theLog imagelcon timer actionPerformed() clear() applyDarkMode() getInstance() actionPerformed() applyLightMode() iterator() paintComponent() calculateWorkHours() logEvent() chooseShiftTime() clockIn()

Main

main()

persistence

loadListOfAccounts()
printEventLog()
promptForPassword()
promptForUsername()
quit()
register()
saveListOfAccounts()
setAccountShift()
setAccountWage()
setButtons()
setLabel()
signIn()
signInWithPassword()
toggleMode()
viewHoursWorkedAndWage()