CarManager -carManager : carManager + carsList : ArrayList <Car> + getTheCarManager() : CarManager + getCars() : ArrayList <Car> + addCar(int iD, String userName) : boolean + delete(int deleteThisID) + createTestCars() + printAllCars() + getCar(int carID) : Car + isValidID(String aCarID) : boolean + isValidName(String userName) : boolean + updateID(int theCarID, int newID) + updateUserName(int theID, String newName) + serialize() + deserialize() -id : int -nameOfUser : String + getId() : int + getNameOfUser() : String + setId(int id) + setNameOfUser(String nameOfUser) + Car(int id, String nameOfUser)

JPanelCars

myCarManager : CarManager titleLabel : JLabel jTableCars : JTable jTextFieldID : JTextField jTextFieldName : JTextField jLabelCarld : JLabel jLabelDriverName : JLabel jScrollPaneCars : JScrollPane jButtonAddCar : JButton jButtonUpdateCar : JButton

+ init()

-jButtonAddCarActionPerformed (ActionEvent evt)
-jButtonDeleteCarActionPerformed (ActionEvent evt)
-jButtonUpdateCarActionPerformed (ActionEvent evt)
-jTableCarsMouseClicked (MouseEvent evt)
-handleCarUpdate(TableModelEvent event)

UserInterface

aboutMenuItem : JMenuItem
basicDataMenu : JMenu
exitMenuItem : JMenuItem
fileMenu : JMenu
helpMenu : JMenu
helpMenuItem : JMenuItem
jPaneIMain : JPaneI
manageCarsMenuItem : JMenuItem
manageMenuItem : JMenuItem
manageSpacesMenuItem : JMenuItem
menuBar : JMenuBar
carsGUI : JPaneICars

carsGUI: JPanelCars spacesGUI: JPanelParkingSpaces myCarManager: CarManager jMenuItemSettings: JMenuItem settings: Settings settingsGUI: JPanelSettings

main (String [] args)

initComponents()

-cleanMainPanel()
-exitlfConfirmed()
-exitlMenuItemActionPerformed(ActionEvent evt)
-helpMenuItemActionPerformed (ActionEvent evt)
-aboutMenuItemActionPerformed(ActionEvent evt)
-manageCarsMenuItemActionPerformed (ActionEvent evt)
-manageMenuItemActionPerformed (ActionEvent evt)
-manageSpacesMenuItemActionPerformed (ActionEvent evt)
-fromWindowClosing (WindowEvent evt)
jMenuItemSettingsActionPerformed(ActionEvent evt)

SettingsDialog

settings : Settings
jTextFieldLicensee : JTextField
jTextFieldName : JTextField
jTextFieldVersion : JTextField
jLabel1 : JLabel
jLabel2 : JLabel
jLabel3 : JLabel
jLabel4 : JLabel
jButtonCancel : JButton
jButtonSave : JButton

-jButtonSaveActionPerformed (ActionEvent evt)
-jButtonCancelActionPerformed (ActionEvent evt)

JPanelParkingSpaces

mySpacesManager : ParkingSpacesManager jLabelTitle : JLabel jTableParkingSpaces : JTable

jTextFieldPosition: JTextField jTextFieldStatus: JTextField jLabelPosition: JLabel jLabelStatus: JLabel jScrollPane1: JScrollPane jButtonAddSpace: JButton jButtonDeleteSpace: JButton

jButtonUpdateSpace : JButton

Settings

+programLicensee : String +programName : String +programVersion : String

+ getProgramLicensee() : String + getPrograName() : String

+ getPrograVersion() : String

+ setProgramLicensee(String programLicensee)

+ setPrograName(String programName)

+ setPrograVersion(String programVersion) + Settings(String programName, String

programVersion, String programLicensee)

+ toString() : String Object

SettingsSerialization

+deserialize() : Settings
+serialize(Settings settings)

-jButtonAddSpaceActionPerformed (ActionEvent evt)
-jButtonDeleteSpaceActionPerformed (ActionEvent evt)
-jButtonUpdateSpaceActionPerformed (ActionEvent evt)
-jTableParkingMouseClicked (MouseEvent evt)

+ spacesList : ArrayList <ParkingSpaces> -spacesManager : ParkingSpacesManager

ParkingSpacesManager

+ getTheSpacesManager() : ParkingSpacesManager+ getSpaces() : ArrayList <ParkingSpaces>+ addSpace(int position, String status) : boolean

+delete(int deleteThisSpace)
+ update(int position, int newPosition, String status)
getSpaces(int position) : ParkingSpaces

+ serialize() + deserialize()

ParkingSpaces

-position : int -status : String

+ getPosition() : int + getStatus() : String + setPosition(int position) + setStatus(String status) + ParkingSpaces(int position, String status)