**Specialist Repairs**

**Libraries**

* Commons Validator
* ControlsFX

**Classes:**

**DisplayVehicle**

|  |  |
| --- | --- |
| Methods | Return Type |
| getT4REGX() | String |
| getT4MAKEX() | String |
| getT4MODELX() | String |
| getT4FUELX() | String |
| getT4MILEAGEX() | int |
| getT4COLORX() | String |
| Instance Variables | Data Type |
| T4REGX | SimpleStringProperty |
| T4MAKEX | SimpleStringProperty |
| T4MODELX | SimpleStringProperty |
| T4FUELX | SimpleStringProperty |
| T4MILEAGEX | SimpleIntegerProperty |
| T4COLORX | SimpleStringProperty |

**RepairParts**

|  |  |
| --- | --- |
| Methods | Return Type |
| getT2IDX() | int |
| getT2REGNOX() | String |
| getT2NAMEX() | String |
| getT2SPCX() | String |
| getT2EXPDELX() | String |
| getT2EXPRETX() | String |
| getT2COSTX() | double |
| Instance Variables | Data Type |
| T2IDX | SimpleIntegerProperty |
| T2REGNOX | SimpleStringProperty |
| T2NAMEX | SimpleStringProperty |
| T2SPCX | SimpleStringProperty |
| T2EXPDELX | SimpleStringProperty |
| T2EXPRETX | SimpleStringProperty |
| T2COSTX | SimpleDoubleProperty |

**OutstandingMain**

|  |  |
| --- | --- |
| Methods | Return Type |
| getT5REGNOX() | String |
| getT5EXPDELX() | String |
| getT5EXPRETX() | String |
| getT5COSTX() | double |
| getT5SPCNAMEX() | String |
| Instance Variables | Data Type |
| T5REGNOX | SimpleStringProperty |
| T5EXPDELX | SimpleStringProperty |
| T5EXPRETX | SimpleStringProperty |
| T5COSTX | SimpleDoubleProperty |
| T5SPCNAMEX | SimpleStringProperty |

**ListSPC**

|  |  |
| --- | --- |
| Methods | Return Type |
| getT3IDX() | int |
| getT3SPCX() | String |
| Instance Variables | Data Type |
| T3IDX | SimpleIntegerProperty |
| T3SPCX | SimpleStringProperty |

**ErrorChecks**

|  |  |
| --- | --- |
| Methods | Return Type |
| getInstance() | ErrorChecks |
| toString(DatePicker DatePickerObject) | String |
| toDate(DatePicker DatePickerObject) | Date |
| StringtoLDate(String value) | LocalDate |
| SetNumberRestriction(TextField field) | void |
| SetNumberRestrictionPhone(TextField field) | void |
| SetWordSpaceRestriction(TextField field) | void |
| SetWordRestriction(TextField field) | void |
| SetSpaceRestriction(TextField field) | void |
| SetAddressRestriction(TextField field) | void |
| isAlphanumeric(String word) | boolean |
| isPhone(String word) | boolean |
| isEmail(String email) | boolean |
| DecimalPlaces(double num) | boolean |
| isPlate(String word) | boolean |
| TimedMsgRED(Text TextObject, String msg) | void |
| TimedMsgGREEN(Text TextObject, String msg) | void |
| DisableDatesBefore(DatePicker dp, LocalDate LD) | void |
| Instance Variables | Data Type |
| instance | ErrorChecks |
| Selection | LocalDate |

**SPC**

|  |  |
| --- | --- |
| Methods | Return Type |
| getIDX() | int |
| getNAMEX() | String |
| getADDRESSX() | String |
| getTELEPHONEX() | double |
| getEMAILX() | String |
| Instance Variables | Data Type |
| IDX | SimpleStringProperty |
| NAMEX | SimpleStringProperty |
| ADDRESSX | SimpleStringProperty |
| TELEPHONEX | SimpleDoubleProperty |
| EMAILX | SimpleStringProperty |

**SearchMain**

|  |  |
| --- | --- |
| Methods | Return Type |
| getT1IDX() | int |
| getT1FNAMEX() | String |
| getT1LNAMEX() | String |
| getT1REGX() | String |
| getT1SPCX() | String |
| getT1EXPDELX() | String |
| getT1EXPRETX() | String |
| getT1COSTX() | double |
| Instance Variables | Data Type |
| T1IDX | SimpleIntegerProperty |
| T1FNAMEX | SimpleStringProperty |
| T1LNAMEX | SimpleStringProperty |
| T1REGX | SimpleStringProperty |
| T1SPCX | SimpleStringProperty |
| T1EXPDELX | SimpleStringProperty |
| T1EXPRETX | SimpleStringProperty |
| T1COSTX | SimpleDoubleProperty |

**Repairs**

|  |  |
| --- | --- |
| **Methods** | **Return Type** |
| getInstance() | Repairs |
| addVehicle(String RegNo, int SPCID, Date ExpDel, Date ExpRet, double Cost) | boolean |
| addPart(String RegNo, int ID, int SPCID, Date ExpDel, Date ExpRet) | boolean |
| editVehicle(String RegNo, int SPCID, Date ExpDel, Date ExpRet, double Cost, int RepairID) | boolean |
| editPart(String RegNo, int ID, int SPCID, Date ExpDel, Date ExpRet, int RepairID) | boolean |
| getSPCList() | ObservableList<ListSPC> |
| getSPCListCombo() | ObservableList<String> |
| getPartListCombo() | ObservableList<String> |
| getAllSPC() | ObservableList<SPC> |
| getSPCID(String Name) | int |
| getPartID(String Name) | int |
| getVehicle(String regNo) | ObservableList<DisplayVehicle> |
| searchReg(String regNo) | ObservableList<SearchMain> |
| searchName(String fname, String lname) | ObservableList<SearchMain> |
| searchSPC(int SPCID) | ObservableList<SearchMain> |
| getPartRepairs(String RegNo) | ObservableList<RepairParts> |
| getOutstanding() | ObservableList<OutstandingMain> |
| deleteVehicleRepair(int RepairID) | boolean |
| deletePartRepair(int RepairID) | boolean |
| searchCustomerWithReg(String RegNo) | Customer |
| getAllVehicles() | ArrayList<String> |
| removeStock(int ID) | boolean |
| **Instance Variables** | **Data Type** |
| RInstance | Repairs |
| DBC | DBConnection |
| EC | ErrorChecks |