

+boolean update() +boolean removeById() +boolean clear() +boolean save() +boolean exit() +boolean executeScript() +boolean addlfMax() +boolean removeGreater() +boolean removeFirst() +boolean groupCountingByCapacity() +boolean countLessThanFuelType() +boolean filterLessThanFuelConsumption() ------Use-----lab5 +String PS1 VehicleAsker +String PS2 +Integer MAX_X +double MAX Y +main() +Scanner userScanner +boolean fileMode

main

@Override +String toString()

+void setUserScanner() +Scanner getUserScanner()

CommandManager

+List<command>getCommand()

+boolean noSuchCommand()

+ Command *

+boolean help()

+boolean info()

+boolean add()

+boolean show()

+void setFileMode() +void setUserMode()

+String askName()

+Integer askX() +double askY()

@Override

+String toString()

+coordinates askCoordinates() +Double askEnginePower() +Long askCapacity()

+int askFuelConsumption() +FuelType askFuelType() +boolean askQuestion()

+ArrayDeque<vehicle> vehicleCollection

+Date LastSaveTime

+Date getLastSaveTlme()

+Integer CollectionSize() +void addElement(Vehicle)

+void updateById(Vehicle)

+Integer CountLessThanFuelType() +void saveCollection()

+ArrayDegue<> FiletLessThanFuelConsumption() +Vehicle getLast()

+void removeFromCollection(Vehicle) +void loadCollection() +Integer generateNextId()

@Override

+String toString()

Console

 CommandManager commandManager Scanner userScanner +VehicleAsker vehicleAsker +List<String> scriptStack

void interactiveMode() +int launchCommand(String)

+int scriptMode(String) +void print(Obj) +void println(Obj)

+void prinerror(Obj) +void printtable(Obj, Obj)

FileManager

+Strign path

-void WriteCollection(ArrayDeque<vehicle>) +ArrayDeque<vehicle> readCollection() @Override +String toString()

VehicleData

+Date lastInitTime

+FileManager fileManager

+ArrayDeque<Vehicle> getCollection()

+Date getLastInitTime()

+String collectionType()

+Vehicle getById() +Vehicle getByValue(Vehicle)

+HashMap<,> groupCountingByCapacity()

+void removeFirst() +void clearCollection()

+void removeGreater(Vehicle)

<<Interface>> Commands

+String getDescription() +String getName() +Boolean execute(String argument)

∠Extends

<<Abstract Class>> AbstractCommand

String name

Commands

- String description String getName()

String getDescription() @Override

+String toString() +int hashCode() +boolean equals()

RemoveGreaterCommand

+VehicleData vehicleData +VehicleAsker vehicleAsker

@Override +Boolean execute(String argument)

SaveCommand

+VehicleData vehicleData

@Override +Boolean execute(String argument)

ShowCommand

+VehicleData vehicleData

@Override +Boolean execute(String argument)

UpdateIdCommand

+VehicleData vehicleData +VehicleAsker vehicleAsker

@Override +Boolean execute(String argument) AddCommand

+VehicleData vehicleData +VehicleAsker vehicleAsker

@Override +Boolean execute(String argument)

AddlfMaxCommand

+VehicleData vehicleData

+VehicleAsker vehicleAsker

@Override +Boolean execute(String argument)

<u>∠</u>implement–

ClearCommand

+VehicleData vehicleData

@Override +Boolean execute(String argument)

FilterLessThanFuelConsumptionCommand

+VehicleData vehicleData +VehicleAsker vehicleAsker

@Override +Boolean execute(String argument)

GroupCountingByCapacityCommand

+VehicleData vehicleData

@Override +Boolean execute(String argument)

RemoveByldCommand

+Boolean execute(String argument)

+VehicleData vehicleData

@Override

CountLessThanFuelTypeCommand

+VehicleData vehicleData +VehicleAsker vehicleAsker

@Override +Boolean execute(String argument)

ExecuteScriptCommand

+Stack<String> callStack

+clearStack() @Override

+Boolean execute(String argument)

ExitCommand

@Override

+Boolean execute(String argument)

HelpCommand

@Override +Boolean execute(String argument)

InfoCommand

+VehicleData vehicleData

@Override

+Boolean execute(String argument)

RemoveFirstCommand

+VehicleData vehicleData

@Override

+Boolean execute(String argument)

Vehicle

Coordinates

+ Integer X

+double Y

Use

|<---;

+ Integer getX() +double getY() @Override

+String toString() +int hashCode()

+boolean equals(Obj)

<<ENUM>> FuelType

+ ELECTRICITY + MANPOWER +ANTIMATTER

String nameList()

Vehicle

+Integer id

+Strign name +Coordinate coordinates

+Date creationDate

+Double enginePower

+Long capacity +int fuelConsumption

+FuelType fuelType

+Integer getId()

+Strign getName() +Coordinate getCoordinates()

+Date getCreationDate()

+Double getEnginePower()

+Long getCapacity()

+int getFuelConsumption()

+FuelType getFuelType()

@Override

+String toString +int hashCode()

+boolean equals(Obj)