KBB::Driver **UML** Diagram Assignment 3 main(String[] args) **KBB** Application By: Branden Lee adapter.buildAuto adapter.ProxyAutomobile model.AutomobileTable automobileTable; util.FileIO autoutil; ProxyAutomobile() boolean updateOptionSetName(String automobileKey, String optionSetName, String nameNew) boolean updateOptionPrice(String automobileKey, String optionSetName, String optionName, double priceNew) String buildAuto(String filename) boolean printAuto(String automobileKey) boolean serialize(String automobileKey, String fileName) String deserialize(String fileName) boolean setOptionChoice(String automobileKey, String optionSetName, String optionName) public String getOptionChoice(String automobileKey, String optionSetName) public Double getOptionChoicePrice(String automobileKey, String optionSetName) util.FileIO model.AutomobileTable Map<String, Automobile> automobileTable AutomobileTable() void read(String fileName, Automobile autoObj) boolean optionSetOptionsProcess(Automobile autoObj, int optionSetObjectIndex, String optionSetOptions) AutomobileTable(int capacitySize) void serialize(String fileName, Automobile autoObj) Automobile getByKey(String automobileKey) String getKey(Automobile automobileObject) Automobile deserialize(String fileName) String insertOverwrite(Automobile automobileObject void print() String toString() String insertWrapper(Automobile automobileObject) boolean insert(String automobileKey, Automobile au void print() String toString() model.Automobile model.Automobile.OptionSet static final long serialVersionUID static final long serialVersionUID ArrayList<Option> optionList String makeName String modelName String optionSetName String year OptionSet() double basePrice OptionSet(String name, int size) ArrayList<OptionSet> optionSetList void init() ArrayList<Integer> optionSetOptionChoice String getName() exception.AutoException ArrayList<String> optionSetNameReserved Option getOption(int optionIndex) Map<Integer, String> errorMessageTable; Automobile() int length() int errorNumber; Option findOption(String optionName) Automobile(int size) String errorMessage; int findOptionIndex(String optionName) void init() model.Automobile automobileObject; void setName(String name) String getMake() Log log; String getModel() int addOption(String optionName, double d String getYear() void print() AutoException(int errorNumber_) double getPrice() String toString() String fixString(int errorNumber) OptionSet getOptionSet(int OptionSetIndex) int length() String getOptionSetChoiceName(String optionSetName) Double getOptionSetChoicePrice(String optionSetName) exception.FixAutomobileTable OptionSet.Option getOptionSetChoiceByIndex(int optionSetIndex) model.Automobile.OptionSet.Option String getOptionSetOptionName(String optionSetName, String optionName) static final long serialVersionUID String code500(model.Automobile automobileObject) Double getOptionSetOptionPrice(String optionSetName, String optionName) boolean isOptionSetReserved(OptionSet optionSetObject) String optionName boolean isOptionSetNameReserved(String optionSetName) double price OptionSet findOptionSet(String optionSetName) Option() OptionSet.Option findOptionSetOption(int OptionSetIndex, String optionName) Option(String name, double price_) int findOptionSetIndex(String optionSetName) String getName() exception.Log int findOptionSetOptionIndex(int OptionSetIndex, String optionName) double getPrice() PrintWriter writer int addOptionSet(String OptionSetName) void setName(String name) int addOptionSetOption(int optionSetIndex, String optionName, double optionPrice) void error(String str) void setPrice(double price_) void setMake(String name) void warning(String str) void print() void setModel(String name) String toString() void setYear(String name) void setPrice(double price_) boolean setOptionSetName(String optionSetName, String nameNew) boolean setOptionSetOptionNameReserved(String optionSetName, String optionName) boolean setOptionSetOptionName(String optionSetName, String optionName, String nameNew) boolean setOptionSetOptionPrice(String optionSetName, String optionName, double priceNew) boolean setOptionSetChoiceByIndex(int optionSetIndex, int optionIndex) boolean setOptionSetChoice(String optionSetName, String optionName) void print() String toString()