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|  | ASSIGNMENT 2 |
| 4/19/2015 |  |
|  | Shrestha Birodh (U1064022) |

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|  | Perfect wheels |

Perfect wheels is a fictional company that will be referenced to understand the use of current Assignment and Program as a it would be in a real world scenario.

Process Overview:

As, to the current understanding,

A main method is created as an ApplicationClass which is responsible to initialize the driver class. This manager driver class has the relevant methods and fields which will help to further implement the entire processing required in the application program.

Below is a table consisiting of the possible fileds and methods at this current level. They will definitely be further enhanced as the requirements of the application in GUI mode is better fulfilled and hence the overall application will start to take shape.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Business Layer Class name** | **Relationship to other classes** | **Class fields (including collections)** | **Public methods** | **Private methods** |
| PerfectWheelsMain | Application class |  |  | Main static method |
| SoftwareListManager | Driver class |  |  |  |
| Employee | Object Class | Name,address,phone | getName() |  |
| Software | Object Class | License Number, type, seller name,List<Software>  You will need to reconsider having a collection of Software objects within your Software class. This collection would be better stored in your driver class | getLicense() |  |

You are going to need quite a number of other classes to complete assignment 3. You will need to re read the specification as there is quite a bit to it. Also, as you will be running reports you will need to look at the type of information that will be required for the reporting as it will help you work out what fields you may need in your classes. You are going to need to work out which class will be holding and managing the collection of employees, software and licences.

**Class: Employee: The fields you have listed below need to be reflected in your table above**

This class holds the records of employees who will be using the software.

FIELDS:

String name;

String address;

String phone;

String department;

String joinedDate;

String softwareId;

**Class : Software:**

This class holds the records of software which are bought by the company.

FIELDS:

String name;

String license;

String licenseType;

String sellerName;

Date boughtDate;

**Class: SOFTWARELISTMANAGER**

This is the class that will have the methods which will do the processing using the above , employee and software classes .

Possible methods:

**addNewSoftware();**

**updateLicense();**

**editSoftware();**

**deleteSoftware();**

**RUNNING THE APPLICATION:**

For the timebeing, a Scanner class is used to take input from console.

Main Method:

################################################

System.out.println("WELCOME TO PERFECTWHEELS!");

Console console = new Console();

console.takeUserInput();

####################################################################

System.out.println("Please enter Software Name");

Scanner in = new Scanner(System.in);

String softwareName = in.next();

Software software = new Software();

software.setName(softwareName);

software.setLicense(in.next());

software.setSellerCompany(in.next());

List<Software>softwarelist = new List<Software>();

softwarelist.add(software);

System.out.println("Thanks. It has beed added to the SoftwareList");

###############################################################

A seperate class Console is created to take such userinput for tests only. Later this class will not be used, insted a GUI mode will be enabled and further cast processing be carried out with the help of them.

**After hitting RUN:**

WELCOME TO PERFECTWHEELS!

Please enter Software Name, License Number, Seller company name.

Word

012AX232

Microsoft

Thanks. It has beed added to the SoftwareList!

BUILD SUCCESSFUL (total time: 17 seconds)