**IT6x23 Programming Lab Sheet 02**

**UML Diagrams**

By: Taylor Everett

Stu ID:21600252

Date: 24/08/2017

|  |  |  |
| --- | --- | --- |
| Account |  | PetrolPurchase |
| String name  double balance  double depositAmount  double withdrawAmount |  | String station  String petrolType  int pLitre  double pricePerLitre  double percentDiscount  double total  double quantity |
| constructor Account(String , double)  deposit(depositAmount double)  withdraw(withdrawAmount double)  getBalance()String  setName(name string)  getName() String |  | constructor PetrolPurchase (String,  String, Int, double, double, double,double)  getStation() String  getType() String  getLitre() String  getPricePerLitre() String  getPercentDiscount() String  getTotal() String  getPurchaseAmount() Method  setStation(station string)  setType(type string)  setLitre(litre int)  setPricePerLitre(priceperlitre double)  setPercentDiscount(percentdiscount double)  setTotal(total double)  setPurchaseAmount(purchaseamount double) |

|  |  |  |
| --- | --- | --- |
| Car |  |  |
| String model  String year  double price |  |  |
| constructor Car(String, string, double)  setPrice(price double)  getPrice()String  setModel(name string)  getModel()String  setYear(year string)  getYear()String |  |  |