UML :

BackEnd

- ClubMember
- ClubMembers
- CreditCard
- Department
- Departments
- E_Mart_Store

- Employee
- Employees
- Product
- Products
- ProductSale
- Program

- QueryBy
- Reciept
- Transaction
- Transactions
- User
- Users

PL_GUI

EnterScreen

enterScreen (IBL):ctor

BL

<<interface>>

IBL

```
add(object):void
remove(object):void
edit(object):void
saveDataToFile():void
loadDataFromFile():void
isUserOk (User):bool
getAllProducts() : Products
getAllDepartments():Departments
getAllClubMembers():ClubMembers
getAllTransactions():Transactio
  ns
getAllEmployees():Employees
getAllUsers():Users
queryByRange(Classes, Fields,
  value, value ,
  List):List<object>
queryByString (Classes, field,
  value, List): List<object>
```

DAL

<<interface>>

IDAL

```
addProduct(Product):void
removeProduct(Product):void
editProduct(Product):void
addDepartment(Department):void
removeDepartment(Department):void
editDepartment(Department):void
addUser(User):void
removeUser(User):void
editUser(User):void
addEmployee(Employee):void
removeEmployee(Employee):void
editEmployee(Employee):void
addClubMember(ClubMember):void
editClubMember(ClubMember):void
removeClubMember(ClubMember):
  void
addTransaction(Transaction):
  void
editTransaction(Transaction):
  void
removeTransaction(Transaction):
  void
```

MainProg

MainWindow

enterScreen.Show() :
Window

תוספים למיילסטון 2:

User interface: The program has integrated a GUI interface to act upon start with the user in a design fashion.

User can now create a transaction: The user can now shop in e-Mart and create a Transaction via Drag & Drop to the list.

Publishing the best seller in the shop: The program will automatically show the user the last month best seller and will display it first.

Added hierarchy: there are now some options that are available just to so users depending on their Hierarchy.

Filtering the product list: The program can now filter an exciting list by the product type.

Saving the Club Member`s credit card details: Club Member can now add a credit card to his personal profile and delete it if needed.

- Due to complain about the runtime of the software we accommodated you with a progress bar to give you more hope.

TeamGYM Preasents : E-Mart Take2

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