

Ain Shams University

Faculty of Computer & Information Sciences

2nd Year

Object Oriented Programming

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Online Shopping Management System

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**Online
Shopping**

Project description

Online shopping is a system to enable customers to purchase products from the internet. Also allow him to pay for his order online using his credit card or just pay for it hand by hand when he receives the order. There is a catalogue that contains all the products and the prices, the customer can chose whatever he wants and specify the quantity.

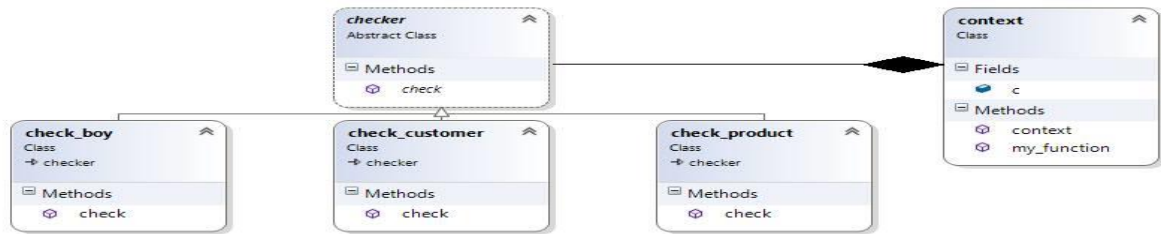
Notes

- In This Project we used the strategy design pattern.
- Polymorphism run time virtual functions.
- Inheritance classes.

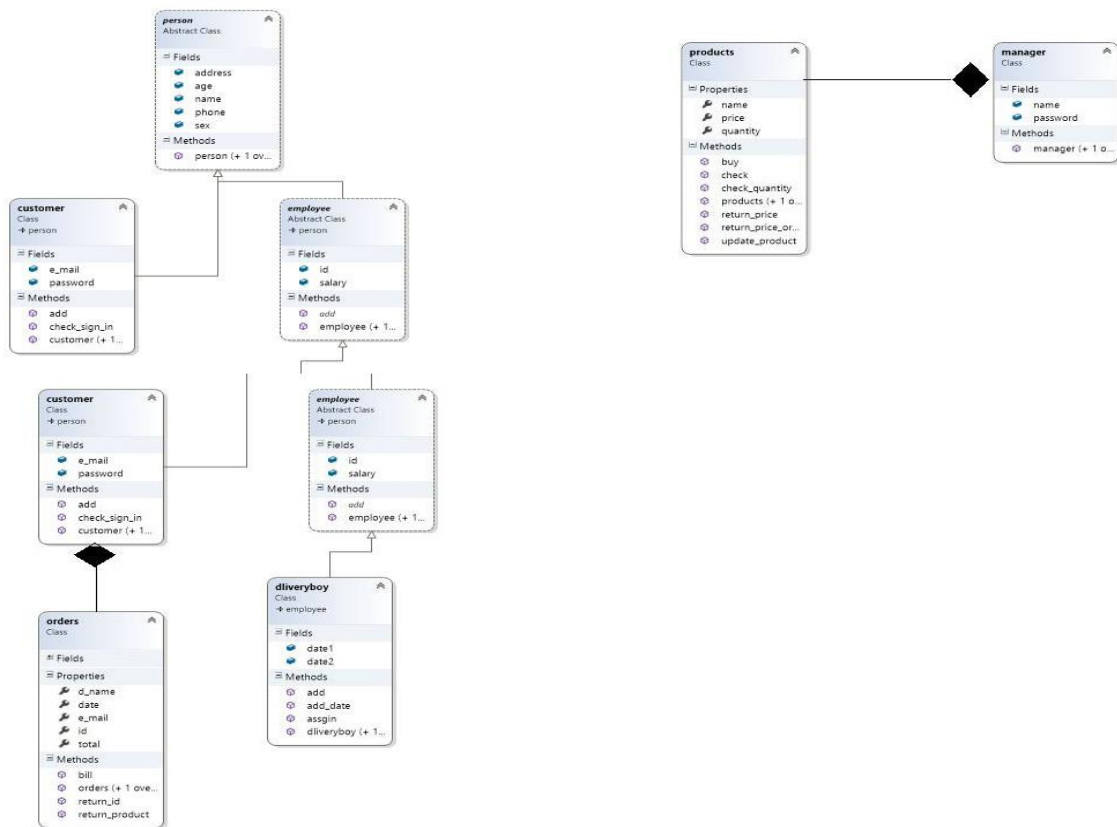


**Online Shopping
System**

Design Patterns



Strategy design pattern



Screenshots

1



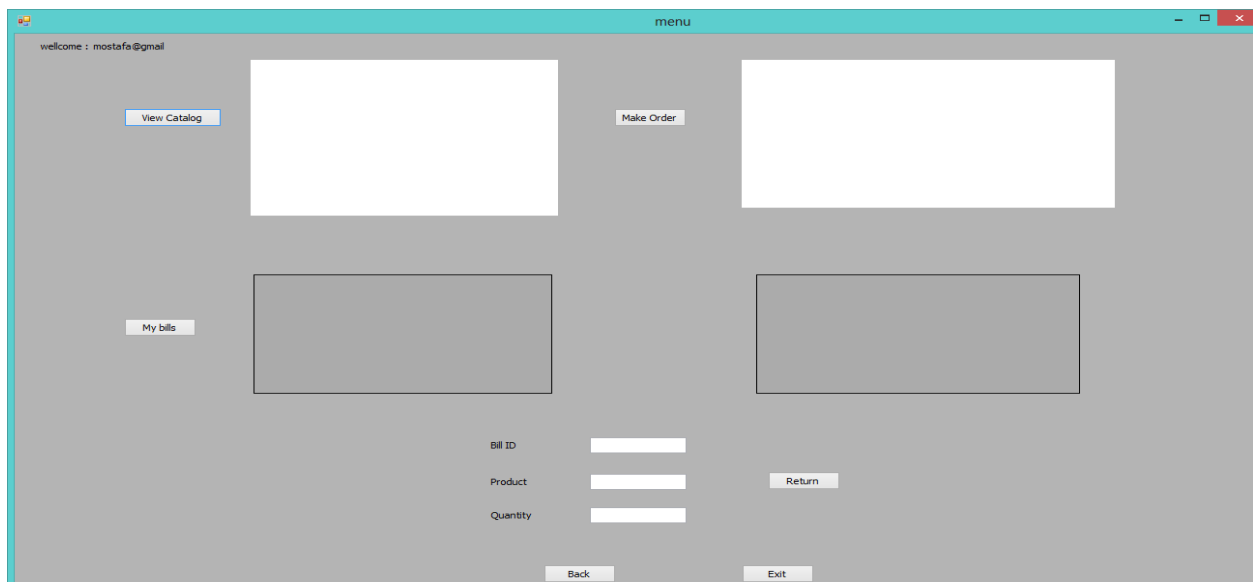
1: This is the First Start Menu Choosing Customer.

2

A screenshot of a Windows application window titled 'sign_in'. The window has a light blue title bar. The main content area has a grey background. It contains two main sections: 'Sign In' and 'Sign Up'. The 'Sign In' section has two input fields for 'E_mail' and 'Password', and a 'Sign in' button. To the right of this section is a text instruction: 'If Customer Register Before : write \'E_mail\' & \'Password\''. The 'Sign Up' section has multiple input fields: 'Name', 'E_mail', 'Password', 'Sex' (a dropdown menu), 'Year', 'Month', 'Day' (all dropdown menus), 'Address', and 'Phone'. There is a 'Sign up' button at the bottom right of this section. At the bottom of the window, there are two buttons: 'Back' and 'Exit'.

2: This is Second Menu Open when you Choose Customer and Start Fill the Required information for New / Existing Customers.

3



3: This Menu Shown after Completed the Sign in / Sign up Menu and this menu for showing you the Catalog of the products available for purchase the make an order and also showing your Old /New Bills and enable you adjust your product quantity.

4



4: This is the First Start Menu Choosing Manager.

5

manager_sign_in

User

Password

submit

Back Exit

5: after Choosing Manager in the First Menu Now Sign in to manage your system.

6

Form2

Add Product

name	price	quantity	ADD

Delete Product

product name	Delete

Check Quantity

ProductName	CheckProduct

Delete Employee

TypeOfWork	Employee ID	Delete

Add Employee

TypeOfWork	ID	Name	Sex	Address	phone	Age	Salary	Add

Bills

E_mail View Bills

product name

quantity

price

Update Product View Catalog

Action

Back

Exit

6: after sign in you can now add / delete product, check quantity,
Add / delete employee, view bills and update Products.