Develop Company management OOP application with following components and requirements

1. Create MVC console application in NetBean:

- a. Define class Customer with following attributes and methods:
 - + CustomerID, Name, Phone, Date of Birth
 - + Constructors, get/set(), toString()

Define class Company with following attributes and methods:

- + List of Customer
- + Read text file to load data for Company customer.txt file has format as below

```
KH01,Jonh Horstman,0985405999,28/12/2000
KH02,John Smith,0906567789,12/3/2015
KH03,Cays Horstman,0987787676,01/09/2019
KH04,Cays Horstman,0908778887, 05/03/2022
```

- + Add new Customer from console
- + Search Customer by different criteria(4 criterias)
- + Write data in customer1.txt file
- + Update Phone and Date ofBirth.

Note: File customer.txt and customer1.txt placed in the project folder equal to the scr folder of application.

- b. Develop CompanyManagement class for application
 - + Application menu for application include: Display all customers, , Add new customer, Customer Search customer , Write data to File, Delete a customer by ID, Update Phone and Date of Birth.

Hint: An abstract Menu class is provided for use in the application. Override method excecute()

+ Method for searching Customer with searching menu

2. Technical requirements:

- + Create package **model** for Customer and Company class.
- + Create package **view** for Menu.
- + Create package controller CompanyManagement class
- + Check validate for
 - ✓ CustomerID has a length of 4, must start with "KH", the rest of the characters are numbers.
 - ✓ Phone has a length of 10, must start with "09".
 - ✓ Date ofBirth by Date Format "dd/MM/yyyy".
- + User interface as sample images below

```
Company Management System
 1.List all customer
2.Search customer
3.Add new Customer
4. Customer statistical
5.Exit
Enter selection..1
List of Customers
_____
Customer{id=1, name=Jonh Horstman, phone=0985405999}
Customer{id=2, name=John Smith, phone=0906567789}
Customer{id=3, name=Cays Horstman, phone=0987787676}
Customer{id=4, name=Cays Horstman, phone=0908778887}
______
Total: 4 customers.
When choose search customer:
Customer Searching
 _____
```

```
1.Find by CustomerID
2.Find by Name

Enter selection..1
Enter CustomerID:2
List of Customers

Customer{id=2, name=John Smith, phone=0906567789}

Total: 1 customers.
```

```
Customer Searching

1.Find by CustomerID

2.Find by Name

Enter selection..2

Enter Name of Customer: Cays

List of Customers

Customer{id=3, name=Cays Horstman, phone=0987787676}

Customer{id=4, name=Cays Horstman, phone=0908778887}

Total: 2 customers.
```

Notice: Student must strictly follow all requirements as describe above for marking,

Any modification the requirement detail is not allowed and will get no mark!