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OOP Project

BINUS University



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Introduction

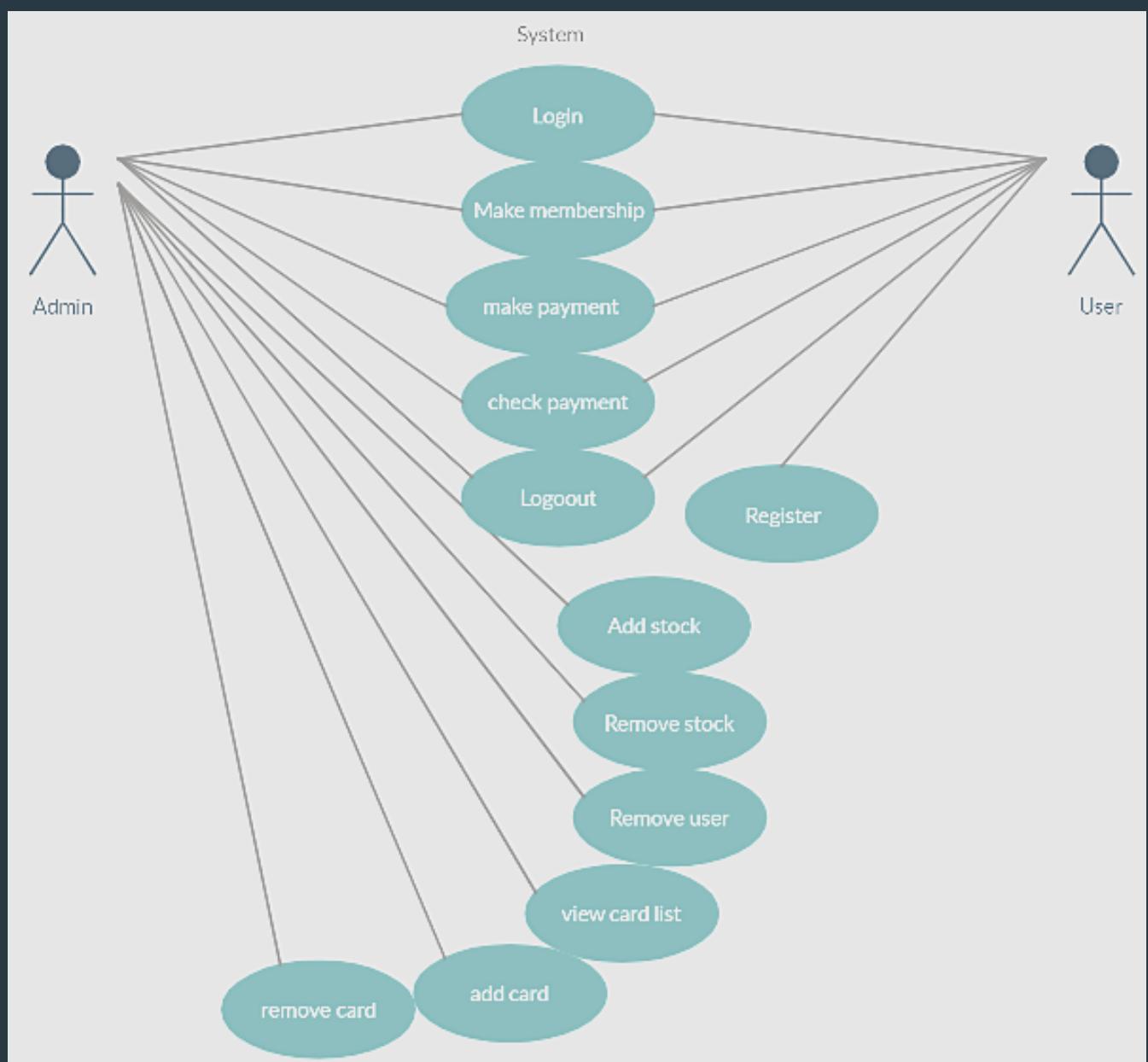
In this modern era, we live in a world with digital technology that affects all aspects of our daily life. For transportation, we have several trusted online companies that are known nationally. As for shopping, also can be done online. Everything can be done digitally. If our store can be assisted with digital help, it will be very helpful.

A program to calculate payments, aid in payment execution, perform income check, and calculate stock. One tool can do the rest of your job. That's what we aim to develop.

This program helps to speed up sales within the store and helps making the store's payment system more structured and orderly. In addition, this program also eases the recap process of the sales and stock, removing and adding stock and menu.

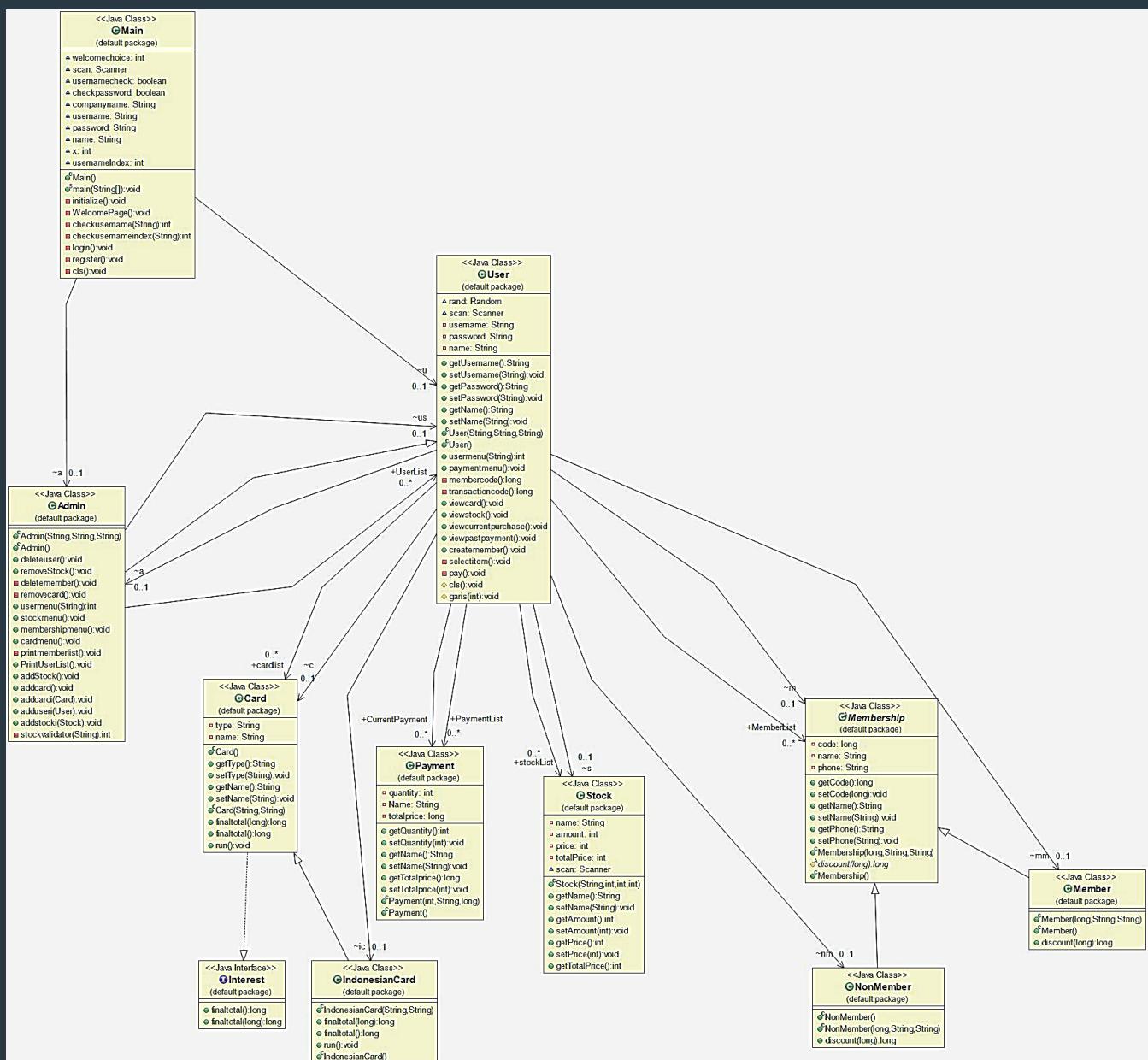
Analysis & Design

Usecase



Analysis & Design

Class Diagram



Implementation

```
Please Enter Your company's name : OOP FINAL PROJECT
```

```
Welcome to OOP FINAL PROJECT
1. Log In
2. Register
>> 1
```

Implementation

```
Username & Password : admin ( untuk menjadi admin )
Please Enter Your Username [ 0 to cancel ] : admin
Please Enter Your Password : admin
```

```
Welcome admin

Menu :
1. Payment
2. Stock
3. Membership
4. Remove User
5. Card
6. Log out
>> 1
```

Implementation

```
1. Make Payment  
2. Check Payment  
3. Back  
>> 1
```

STOCK LIST :

No	Name	Amount	Price
1.	BESI	100	200000
2.	SENG	100	20000

```
Please select which item you want to buy [ 0 to cancel ] :
```

```
1
```

```
Quantity :
```

```
5
```

```
Do you want to add another item?
```

```
1. Yes
```

```
2. No
```

```
>> 1
```

Implementation

YOUR BASKET :

No	Name	Quantity	Total Price
1.	BESI	5	1000000

TOTAL PURCHASE : 1000000

STOCK LIST :

No	Name	Amount	Price
1.	BESI	95	200000
2.	SENG	100	20000

Please select which item you want to buy [0 to cancel] :

2

Quantity :

10

Do you want to add another item?

1. Yes

2. No

>> 2

Implementation

YOUR BASKET :

No	Name	Quantity	Total Price
1.	BESI	5	1000000
2.	SENG	10	200000

TOTAL PURCHASE : 1200000

Do you have a member? [yes / no] : no

Member doesn't Exist, 2% Discount

Please Select Payment Method :

1. Cash
2. Credit Card

>> 1

Total Price : 1176000

Thank You for your purchase, the purchase code is 32886214

Welcome admin

Menu :

1. Payment
2. Stock
3. Membership
4. Remove User
5. Card
6. Log out

>> 1

Implementation

```
1. Make Payment  
2. Check Payment  
3. Back  
>> 1
```

STOCK LIST :

No	Name	Amount	Price
1.	BESI	95	200000
2.	SENG	90	20000

Please select which item you want to buy [0 to cancel] :

1

Quantity :

15

Do you want to add another item?

1. Yes

2. No

>> 2

Implementation

YOUR BASKET :

No	Name	Quantity	Total Price
1.	BESI	15	3000000

TOTAL PURCHASE : 3000000

Do you have a member? [yes / no] : no

Member doesn't Exist, 2% Discount

Please Select Payment Method :

1. Cash

2. Credit Card

>> 2

CREDIT CARD LIST :

No	Name	Type
1.	BRI	national
2.	MANDIRI	national
3.	BCA	national
4.	BNI	national
5.	AMERICAN EXPRESS	international

Please choose The card that you want to use : 3

Generating Total with National Rate, Please Wait

Total Price : 3028200

Thank You for your purchase, the purchase code is 32844870

Welcome admin

Menu :

1. Payment

2. Stock

3. Membership

4. Remove User

5. Card

6. Log out

>> 1

Implementation

```
1. Make Payment  
2. Check Payment  
3. Back  
>> 2
```

PAST PAYMENT :

No	Code	Total Price
1.	32886214	1176000
2.	32844870	3028200

Implementation

```
Welcome admin
```

```
Menu :
```

- 1. Payment
- 2. Stock
- 3. Membership
- 4. Remove User
- 5. Card
- 6. Log out

```
>> 2
```

```
1. Check Stock
```

```
2. Add Stock
```

```
3. Remove Stock
```

```
4. Back
```

```
>> 1
```

Implementation

STOCK LIST :

No	Name	Amount	Price
1.	BESI	80	200000
2.	SENG	90	20000

Welcome admin

Menu :

- 1. Payment
- 2. Stock
- 3. Membership
- 4. Remove User
- 5. Card
- 6. Log out

>> 2

Implementation

```
1. Check Stock  
2. Add Stock  
3. Remove Stock  
4. Back  
>> 2
```

```
Insert Stock name [ 0 to cancel ] : PASIR  
Insert amount of stock : 100  
Insert price of item : 10000  
Stock added!
```

Implementation

```
Welcome admin
```

```
Menu :
```

- 1. Payment
- 2. Stock
- 3. Membership
- 4. Remove User
- 5. Card
- 6. Log out

```
>> 2
```

```
1. Check Stock
```

```
2. Add Stock
```

```
3. Remove Stock
```

```
4. Back
```

```
>> 3
```

Implementation

STOCK LIST :

No	Name	Amount	Price
1.	BESI	80	200000
2.	SENG	90	20000
3.	PASIR	100	10000

Please Choose Stock that you want to delete [0 to cancel] : 3
Stock has been deleted!!!

Welcome admin

Menu :

- 1. Payment
- 2. Stock
- 3. Membership
- 4. Remove User
- 5. Card
- 6. Log out

>> 3

Implementation

- ```
1. Make membership
2. See all membership
3. Remove membership
4. Back
>> 1
```

```
Name [0 to cancel] : oop1
Phone Number : +6212345678910
Member has been Registered!!!
oop1 Your member code is 3333331085
```

# Implementation

```
Welcome admin
```

```
Menu :
```

- 1. Payment
- 2. Stock
- 3. Membership
- 4. Remove User
- 5. Card
- 6. Log out

```
>> 3
```

- 1. Make membership
- 2. See all membership
- 3. Remove membership
- 4. Back

```
>> 2
```

# Implementation

| No | Code       | Name | Phone Number   |
|----|------------|------|----------------|
| 1. | 3333331085 | oop1 | +6212345678910 |

Welcome admin

Menu :  
1. Payment  
2. Stock  
3. Membership  
4. Remove User  
5. Card  
6. Log out  
>> 4

# Implementation

| No | Name  | Username | Password |
|----|-------|----------|----------|
| 1. | admin | admin    | admin    |

There is no User

Welcome admin

Menu :  
1. Payment  
2. Stock  
3. Membership  
4. Remove User  
5. Card  
6. Log out  
>> 5

# Implementation

- 1. View Card List
  - 2. Add Card
  - 3. Remove Card
  - 4. Back
- >> 1

CREDIT CARD LIST :

| No | Name             | Type          |
|----|------------------|---------------|
| 1. | BRI              | national      |
| 2. | MANDIRI          | national      |
| 3. | BCA              | national      |
| 4. | BNI              | national      |
| 5. | AMERICAN EXPRESS | international |

# Implementation

```
Welcome admin
```

```
Menu :
```

- 1. Payment
- 2. Stock
- 3. Membership
- 4. Remove User
- 5. Card
- 6. Log out

```
>> 5
```

```
1. View Card List
```

- 2. Add Card
- 3. Remove Card

```
4. Back
```

```
>> 2
```

# Implementation

```
Enter Bank Name [0 to cancel]:HSBC
Please Choose the card type [national / international] : international
Bank has been registered!!!
```

```
Welcome admin
```

```
Menu :
1. Payment
2. Stock
3. Membership
4. Remove User
5. Card
6. Log out
>> 5
```

# Implementation

```
1. View Card List
2. Add Card
3. Remove Card
4. Back
>> 3
```

## CREDIT CARD LIST :

| No | Name             | Type          |
|----|------------------|---------------|
| 1. | BRI              | national      |
| 2. | MANDIRI          | national      |
| 3. | BCA              | national      |
| 4. | BNI              | national      |
| 5. | AMERICAN EXPRESS | international |
| 6. | HSBC             | international |

```
Choose Bank that you want to delete [0 to cancel] : 6
This bank has been removed!!!
```

# Implementation

```
Welcome admin
```

```
Menu :
```

- 1. Payment
- 2. Stock
- 3. Membership
- 4. Remove User
- 5. Card
- 6. Log out

```
>> 6
```

```
Welcome to OOP FINAL PROJECT
```

- 1. Log In
- 2. Register

```
>> 2
```

# Implementation

```
Please Input your Name [0 to cancel] : oop2
Please Input your Username : oop
Please Input your Password : oop
You have been registered!!!
```

```
Welcome to OOP FINAL PROJECT
1. Log In
2. Register
>> 1
```

# Implementation

```
Username & Password : admin (untuk menjadi admin)
Please Enter Your Username [0 to cancel] : oop
Please Enter Your Password : oop
```

```
Welcome oop
```

```
Menu :
1. Payment
2. Stock
3. Membership
4. Log out
>> 1
```

# Implementation

```
1. Make Payment
2. Check Payment
3. Back
>> 1
```

## STOCK LIST :

| No | Name | Amount | Price  |
|----|------|--------|--------|
| 1. | BESI | 80     | 200000 |
| 2. | SENG | 90     | 20000  |

```
Please select which item you want to buy [0 to cancel] :
```

```
1
```

```
Quantity :
```

```
5
```

```
Do you want to add another item?
```

```
1. Yes
```

```
2. No
```

```
>> 1
```

# Implementation

YOUR BASKET :

| No | Name | Quantity | Total Price |
|----|------|----------|-------------|
| 1. | BESI | 5        | 1000000     |

TOTAL PURCHASE : 1000000

STOCK LIST :

| No | Name | Amount | Price  |
|----|------|--------|--------|
| 1. | BESI | 75     | 200000 |
| 2. | SENG | 90     | 20000  |

Please select which item you want to buy [ 0 to cancel ] :

2

Quantity :

15

Do you want to add another item?

- 1. Yes
- 2. No

>> 2

# Implementation

YOUR BASKET :

| No | Name | Quantity | Total Price |
|----|------|----------|-------------|
| 1. | BESI | 5        | 1000000     |
| 2. | SENG | 15       | 300000      |

TOTAL PURCHASE : 1300000

Do you have a member? [yes / no] : no

Member doesn't Exist, 2% Discount

Please Select Payment Method :

1. Cash

2. Credit Card

>> 2

CREDIT CARD LIST :

| No | Name             | Type          |
|----|------------------|---------------|
| 1. | BRI              | national      |
| 2. | MANDIRI          | national      |
| 3. | BCA              | national      |
| 4. | BNI              | national      |
| 5. | AMERICAN EXPRESS | international |

Please choose The card that you want to use : 3

Generating Total with National Rate, Please Wait

Total Price : 1312220

Thank You for your purchase, the purchase code is 32909889

Welcome oop

Menu :

1. Payment

2. Stock

3. Membership

4. Log out

>> 2

# Implementation

STOCK LIST :

| No | Name | Amount | Price  |
|----|------|--------|--------|
| 1. | BESI | 75     | 200000 |
| 2. | SENG | 75     | 20000  |

Welcome oop

Menu :  
1. Payment  
2. Stock  
3. Membership  
4. Log out  
>> 3

# Implementation

```
Name [0 to cancel] : itsmeoop
Phone Number : +6210987654321
Member has been Registered!!!
itsmeoop Your member code is 3333303828
```

```
Welcome oop
```

```
Menu :
1. Payment
2. Stock
3. Membership
4. Log out
>> 1
```

# Implementation

```
1. Make Payment
2. Check Payment
3. Back
>> 1
```

STOCK LIST :

| No | Name | Amount | Price  |
|----|------|--------|--------|
| 1. | BESI | 75     | 200000 |
| 2. | SENG | 75     | 20000  |

Please select which item you want to buy [ 0 to cancel ] :

1

Quantity :

25

Do you want to add another item?

1. Yes

2. No

>> 1

# Implementation

YOUR BASKET :

| No | Name | Quantity | Total Price |
|----|------|----------|-------------|
| 1. | BESI | 25       | 5000000     |

TOTAL PURCHASE : 5000000

STOCK LIST :

| No | Name | Amount | Price  |
|----|------|--------|--------|
| 1. | BESI | 50     | 200000 |
| 2. | SENG | 75     | 20000  |

Please select which item you want to buy [ 0 to cancel ] :

2

Quantity :

25

Do you want to add another item?

1. Yes

2. No

>> 2

# Implementation

```
YOUR BASKET :

| No | Name | Quantity | Total Price |

| 1. | BESI | 25 | 5000000 |
| 2. | SENG | 25 | 500000 |

TOTAL PURCHASE : 5500000
Do you have a member? [yes / no] : yes
Please Input the member code : 3333303828
Member Exist, 5% Discount
Please Select Payment Method :
1. Cash
2. Credit Card
>> 2
CREDIT CARD LIST :

| No | Name | Type |

1.	BRI	national
2.	MANDIRI	national
3.	BCA	national
4.	BNI	national
5.	AMERICAN EXPRESS	international

Please choose The card that you want to use : 5
Generating Total with International Rate, Please Wait
Total Price : 5486250
Thank You for your purchase, the purchase code is 32887513
```

```
Welcome oop
```

```
Menu :
1. Payment
2. Stock
3. Membership
4. Log out
>> 1
```

# Implementation

```
1. Make Payment
2. Check Payment
3. Back
>> 2
```

## PAST PAYMENT :

| No | Code     | Total Price |
|----|----------|-------------|
| 1. | 32886214 | 1176000     |
| 2. | 32844870 | 3028200     |
| 3. | 32909889 | 1312220     |
| 4. | 32887513 | 5486250     |

# Implementation

```
Welcome oop
```

```
Menu :
```

- 1. Payment
- 2. Stock
- 3. Membership
- 4. Log out

```
>> 4
```