

Tugas 6 Spesifikasi Proses Analisis Desain Perangkat Lunak



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2020**

Algoritma proses pengolahan data

1.1 check user existence

```
begin
  write("sudah memiliki akun?")
  read user_existence
  if user_existence exist then
    goto 1.2login
  else
    goto 1.2signup
end
```

1.2 signup

```
begin
  read user_details
  read user_info
  send user_details
  send user_info
  update user_details
  update user_info
  update user_existence
end
```

1.2 login

```
begin
  read user_info
  search user_info
  if user_info exist then
    display user_details
    goto 1.3
  else
    goto 1.2 singup
end
```

1.3 viewProducts

```
begin
  search by item_name || item_type
  if item_name || item_type exist then
    display item_type
    display item_name
    display item_pricesell
    check item_stocks
    if item_stocks < 20 then
      display item_stocks
    else
      display "products tidak ditemukan"
```

end

1.4 add_to_cart

```
begin
  if user add item to cart then
    read order_item_quant
    display item_name
    display item_pricesell
    display item_supplierid
    display order_item_quant
    display order_total
  end
```

1.5 confirm_order

```
begin
  display item_name
  display item_pricesell
  display item_supplierid
  display order_item_quant
  count order_total
  display order_total
  display user_info
  if user confirm order then
    send order_id
    send order_total
    send order_status
    display order_id
  else
    user abortion
  end
```

end

2.1 payment_method

```
begin
  display order_id
  display order_total
  display user_info//address
  read payment_type
  read user_info
  send payment_type //bank||market||etc
  send user_info //address
  display payment_id
  send payment_id
end
```

2.2 verifying_payment

```
begin
  read payment_type
  read payment_id
  read order_id
  read order_total
  read payment_details //customer bank account, date, etc
  if payment verified then
    update order_status//payment verified
    goto 3.1 packaging
  else
    orderCancellation
    update order_status//order failed
  end
end
```

3.1 packaging

```
begin
  update order_status //being packed
end
```

3.2 Delivering

```
begin
  update order_status //being deliverd
  if package has arrived to customer then
    update order_status //arrived
  end
end
```

4.1 gathering_data

```
begin
  function gather_data
    read order_id
    read user_info
    read payment_id
    read payment_details
    read item_id
    read item_supplierid
    read item_pricesell
    read item_pricebuy
    read order_status
  function end
  display gather_data
end
```

4.2 validating_data

```
begin
```

```
    if gather_data confirmed by staff then
        goto 4.3
    else
        do check invalid data untill data verified
    end
```

4.3 reports_by_system

```
begin
    conclude gather_data to reports
    count all order_total in a month to order_total_summary
    for all supplier in system do
        count order_total of item_supplierid to order_supplierid_summary
    add order_total_summary to reports
    add order_supplierid_summary to reports
end
```

4.4 validating_reports

```
begin
    display reports
    if reports validated by staff then
        goto 4.5 profit sharing
    else
        do check reports untill reports verified
    end
```

4.5 profit_sharing

```
begin
    display reports
    read item_supplierid
    send reports to item_supplierid
    share profit to item_supplierid
end
```

program UserApp

```
begin
    Procedure check_user_existence: check_user_existence()
    Procedure signup: signup()
    Procedure login: login()
    Procedure viewProducts: viewProducts()
    Procedure order: add_to_cart()+confirm_order()
    Procedure payment: payment_method()
    Procedure orderStatus: display order_status

    check_user_existence()
    if(check_user_existence()==true) then
```

```
        login()
    else
        signup()
    viewProducts()
    order()
    payment()
    orderStatus()
end
```

program mainSystem

```
begin
    Procedure viewProducts: viewProducts()
    Procedure verifyPayment: verifying_payment()
    Procedure OrderCancel: orderCancellation()
    Procedure packaging: packaging()
    Procedure Delivering: delivering()
    Procedure gatherData: gathering_data()
    Procedure ValidData: validating_data()
    Procedure systemReports: reports_by_system()
    Procedure ValidReports: validating_reports()
    Procedure shareProfit: profit_sharing()

    verifyPayment()
    if(verifyPayment()=false) then
        OrderCancel()
    packaging()
    delivering()
    gatherData()
    ValidData()
    systemReports()
    ValidReports()
    shareProfit()
end
```