```
Context Login:
  inv: if Self.Clients.all clients -> select(Client) -> notEmpty() then
       username = Client.username
       pwd = Client.pwd
       current client = Self.Clients.all clients -> select(Client)
       if current client.username == username then
         if current client.pwd == pwd then
             type = LoginType.Client
         else
            current_client = nul
         endif
       else
         current_client = nul
       endif
     endif
  inv: if Self.Employees.all employees -> select(Employee) -> notEmpty() then
       username = Employee.username
       pwd = Employee.pwd
       current_employee = Self.Employee.all_employees -> select(Employee)
       if current employee.username == username then
         if current employee.pwd == pwd then
             type = LoginType.Employee
        else
             current employee = nul
        endif
       else
        current_employee = nul
       endif
```

-----

## **Context Message:**

endif

inv: (self.Login.updates info) implies (type = LoginType.Client )

```
if self.Employees.all employees -> select(to) -> notEmpty() then
              store = true
       else
              store = false
       endif
    endif
inv: if (Login.type = Employee && self.Message.store == true) then
              self.Chat.gets
    endif
Context Invoice:
       Inv: if limit_to_pay == 3 then
              Self.SMTP.to = Client.Email Address
              Self.SMTP.from = Email
              Self.SMTP.content = "Payment reminder, days left: self.limit_to_pay
                                     , invoice number: self.Invoice.id""
              Self.SMTP.sends.EMAIL
            Endif
Context Report:
       inv: If (Date.day == 01) then
              self.Clients.all clients -> forAll(c:Client)
                      self.SMTP.to = c.EMAIL
                      self.SMTP.from = EMAIL
                      self.Report.client = c
                      self.Report.customized_content = ""
                      self.SMTP.sends.Report
           endif
```

## **Context Details Check/Updates:**