Customer Relation Database

Start

       Import Stock Analyses

       Import Customer Relation

       Import Customer re

End

Stock Proccesing

1. Start

 Display = log in

  Display the amount of stock available

IF stock runs low than prompt = Reorder new item

Else

  If (stock > 50) then

Get invoice

Print invoice

End if

End if

End

Customer Relation

Start

if Login Successful
Display (DashBoard)
if chooses Goods
Display (View & Add Goods)
if selects View Process
Display (Detail Goods)
end

```
else
Update Goods
end
else if chooses Category Goods
Display (View & add Category Goods)
if selects View Process
Display (Category Goods)
end
else
Update Category Goods
end
else if chooses promo
Display (View & Add Promo)
if selects View Progress
Display (Detail Promo)
end
else
Update Promo
end
else if chooses Customer Order
Display (View Customer)
end

else if chooses Driver
Display (View Customer)
end

else if chooses Report
Display(View Customer)
end

else
Login Again
 endif
endif
endif
End
```

Employee Relation

```
Start
declare employee;
set employee to first_employee;
while(employee exists is true)
  set hours=worked_hours(employee,last period);
  if hours>40
     set overtime=hours-40;
  else
     set overtime=0;
  set hours=hours+overtime*1.5;
  set salary=hourly_rate(employee,hour)*hours;
  print_cheque(employee,salary);
  set employee to next_employee;

endif
End
```

```
                    ┌──────────┐
                    │  Start   │
                    └────┬─────┘
                         │
                    ╱─────────╱
                   ╱  Login  ╱◄─────┐
                  ╱─────────╱       │
                         │          │
                    ◇─────────◇     │
                 ◇ Authentication ◇─┘
                    ◇─────────◇
                         │
                  ╱─────────╱
                 ╱ Dasboard ╱
                ╱─────────╱
                         │                              ╱────────╱
                         │                             ╱ Detail ╱──────────┐
                         │                            ╱  Goods ╱           │
                    ┌─────────┐    ╱──────────╱    ◇─────────◇  ┌──────────────┐     │
                    │  Goods  ├───╱ View & add ╱──◇ View process ◇─│ Update Goods │────┤
                    └────┬────┘  ╱   Goods    ╱    ◇─────────◇  └──────────────┘     │
                         │                            ╱────────╱                     │
                         │                           ╱  Detail ╱                      │
                         │                          ╱ Category ╱                      │
                    ┌──────────┐   ╱──────────╱    ◇─────────◇  ┌──────────────┐     │
                    │ Category ├──╱ View & add ╱──◇ View process ◇│Update Category│──┤
                    │  Goods   │  ╱  Category  ╱    ◇─────────◇  │   Goods      │     │
                    └────┬─────┘  ╱  Goods    ╱                  └──────────────┘     │
                         │                            ╱────────╱                      │
                         │                           ╱ Detail ╱                       │
                         │                          ╱  Promo ╱                        │
                    ┌─────────┐    ╱──────────╱    ◇─────────◇  ┌──────────────┐     │
                    │  Promo  ├───╱ View & add ╱──◇ View process ◇│ Update Promo │───┤
                    └────┬────┘  ╱   Promo   ╱     ◇─────────◇  └──────────────┘     │
                         │                                                            │
                    ┌──────────┐   ╱──────────╱                                       │
                    │ Customer ├──╱   View   ╱─────────────────────────────────────┤
                    │  Order   │  ╱ Customer ╱                                        │
                    └────┬─────┘                                                      │
                         │                                                            │
                    ┌─────────┐    ╱──────────╱                                       │
                    │  Driver ├───╱   View   ╱──────────────────────────────────────┤
                    └────┬────┘   ╱ Customer ╱                                        │
                         │                                                            │
                    ┌─────────┐    ╱──────────╱                                       │
                    │ Report  ├───╱   View   ╱──────────────────────────────────────┤
                    └────┬────┘   ╱ Customer ╱                                        │
                         │◄───────────────────────────────────────────────────────────┘
                    ┌─────────┐
                    │   End   │
                    └─────────┘
```

```
                    ┌─────────┐
                    │  Start  │
                    └────┬────┘
                         │
                         ▼
              ┌──────────────────────┐
              │   set employee<-     │
              │   first employee     │
              └──────────┬───────────┘
                         │
                         ▼                      NO
                    ◇ employee ◇───────────────────────┐
                    ◇ exists?  ◇                        │
                         │                              │
                         │ YES                          │
                         ▼                              │
          ┌──────────────────────────────┐             │
          │        set hours =           │             │
          │ worked_hours(employee, last period) │      │
          └──────────────┬───────────────┘             │
                         │                              │
                         ▼            NO                │
                    ◇ hours > 40? ◇──────────┐          │
                         │                   │          │
                         │ YES               │          │
                         ▼                   ▼          │
              ┌──────────────────┐  ┌──────────────────┐│
              │ set overtime =   │  │ set overtime =   ││
              │   hours-40       │  │       0          ││
              └────────┬─────────┘  └────────┬─────────┘│
                       │                     │          │
                       ▼◄────────────────────┘          │
          ┌──────────────────────┐                      │
          │ set hours = hours +  │                      │
          │   overtime * 1.5     │                      │
          └──────────┬───────────┘                      │
                     ▼                                  │
          ┌──────────────────────────┐                 │
          │       set salary =       │                 │
          │ hourly_rate(employee, hour) * │            │
          │         hours            │                 │
          └──────────┬───────────────┘                 │
                     ▼                                  │
          ╱───────────────────────────────╱            │
          ╱ print cheque(employee, salary) ╱           │
          ╱───────────────────────────────╱            │
                     ▼                                  │
          ┌──────────────────────┐                     │
          │    set employee =    │                     │
          │    next employee     │                     │
          └──────────────────────┘                     │
                                                        │
                     ┌─────────┐                        │
                     │   END   │◄───────────────────────┘
                     └─────────┘
```