① Good Eats INC (ERP)

STD Model:

event	State	Activity/task
Log-In	Start	Authentication()
Inventory Info	Ready	Inventory_system()
Store order	generate	Store_order()
Delivery order	generate	Delivery_order()
Restock order	generate	Restock_order()
Reports	generate	visualize()

Managment
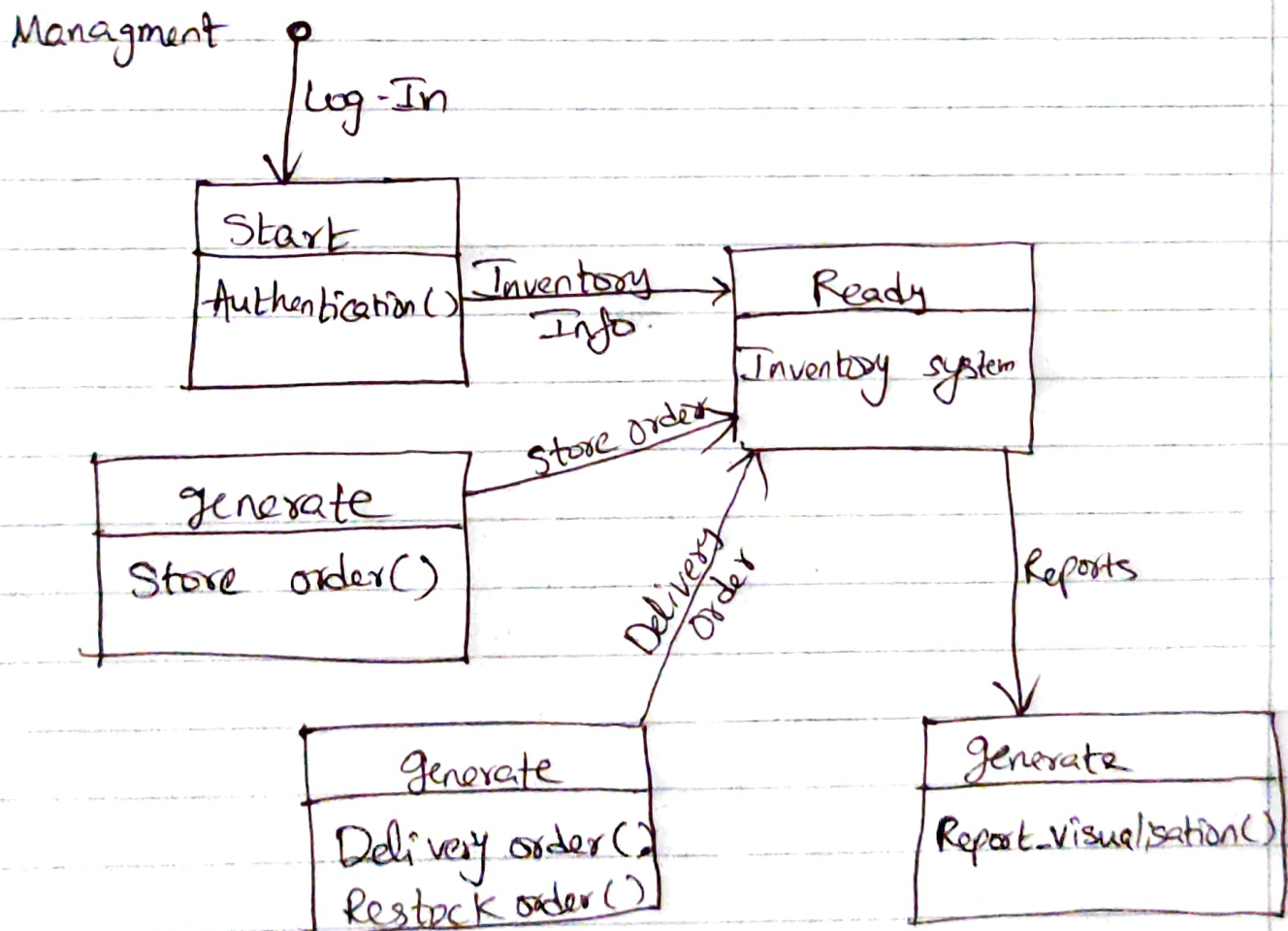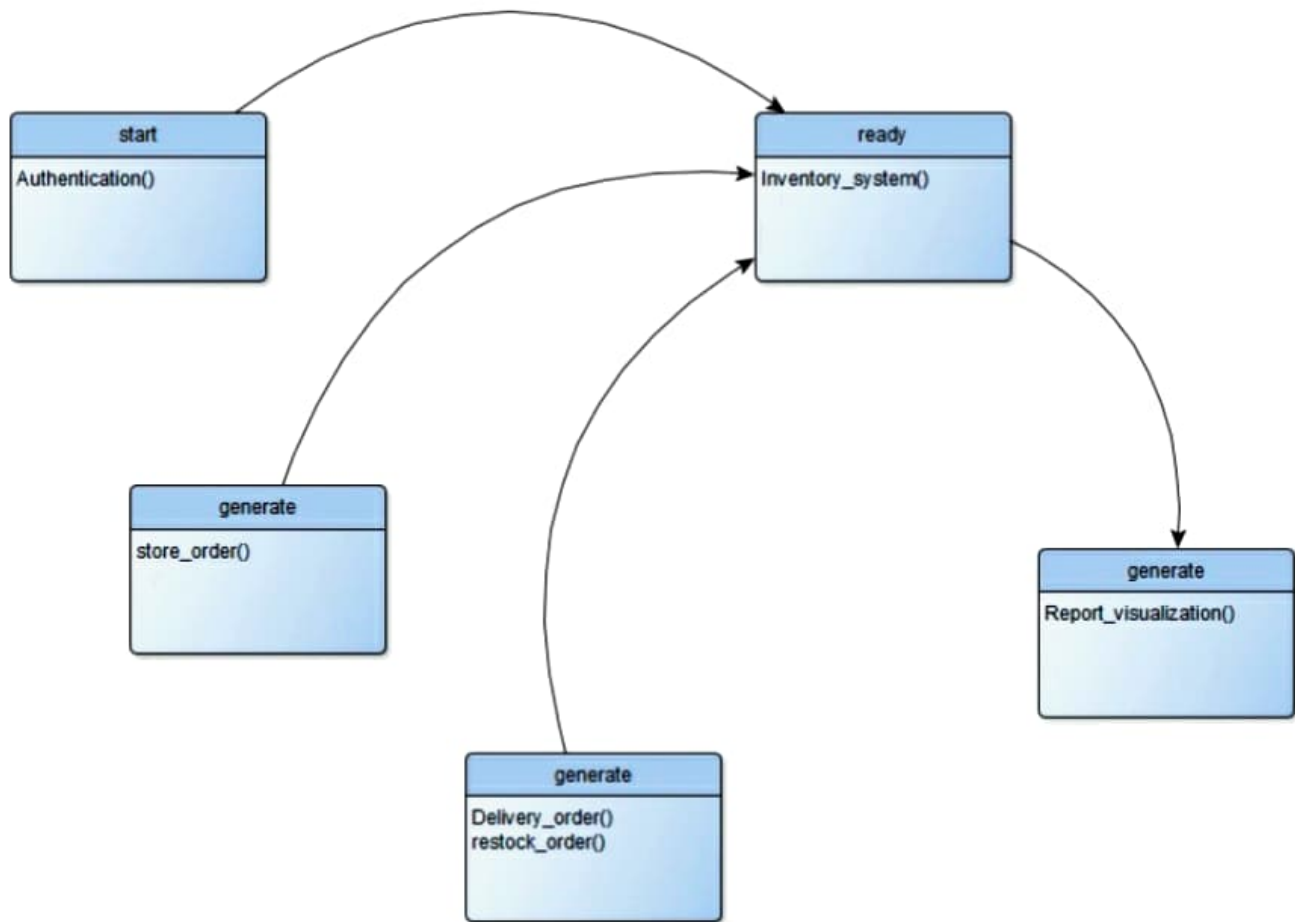
① Software personnel managment System :

STD Model :

event	State	Activity / task.
Log-In	Start	Authentication()
Time Stamps	Record	Time_database()
Employee Info	Record/ Display	Employee_database()
payment Info	generate	generate_payslips()
Payroll system	Ready	UI()

Employee

Log-In

Start
Authentication()

Payroll system →

Ready
UI()

Time Stamps →

Record
Time_database()

Employee Info ↓

Record/display
Employee_database()

Employee Info ↓   Time stamps Info

generate
generate_payslips()

```
┌─────────────────┐           ┌─────────────────┐           ┌─────────────────┐
│      start      │           │      ready      │           │     record      │
├─────────────────┤           ├─────────────────┤           ├─────────────────┤
│ Authentication()│           │ UI()            │           │ Time_database() │
│                 │           │                 │           │                 │
│                 │           │                 │           │                 │
└─────────────────┘           └─────────────────┘           └─────────────────┘

                              ┌─────────────────┐
                              │  record/display │
                              ├─────────────────┤
                              │ employee_database()│
                              │                 │
                              └─────────────────┘

                              ┌─────────────────┐
                              │    generate     │
                              ├─────────────────┤
                              │ generate_payslips()│
                              │                 │
                              └─────────────────┘
```

- **start** — Authentication()
- **ready** — UI()
- **record** — Time_database()
- **record/display** — employee_database()
- **generate** — generate_payslips()