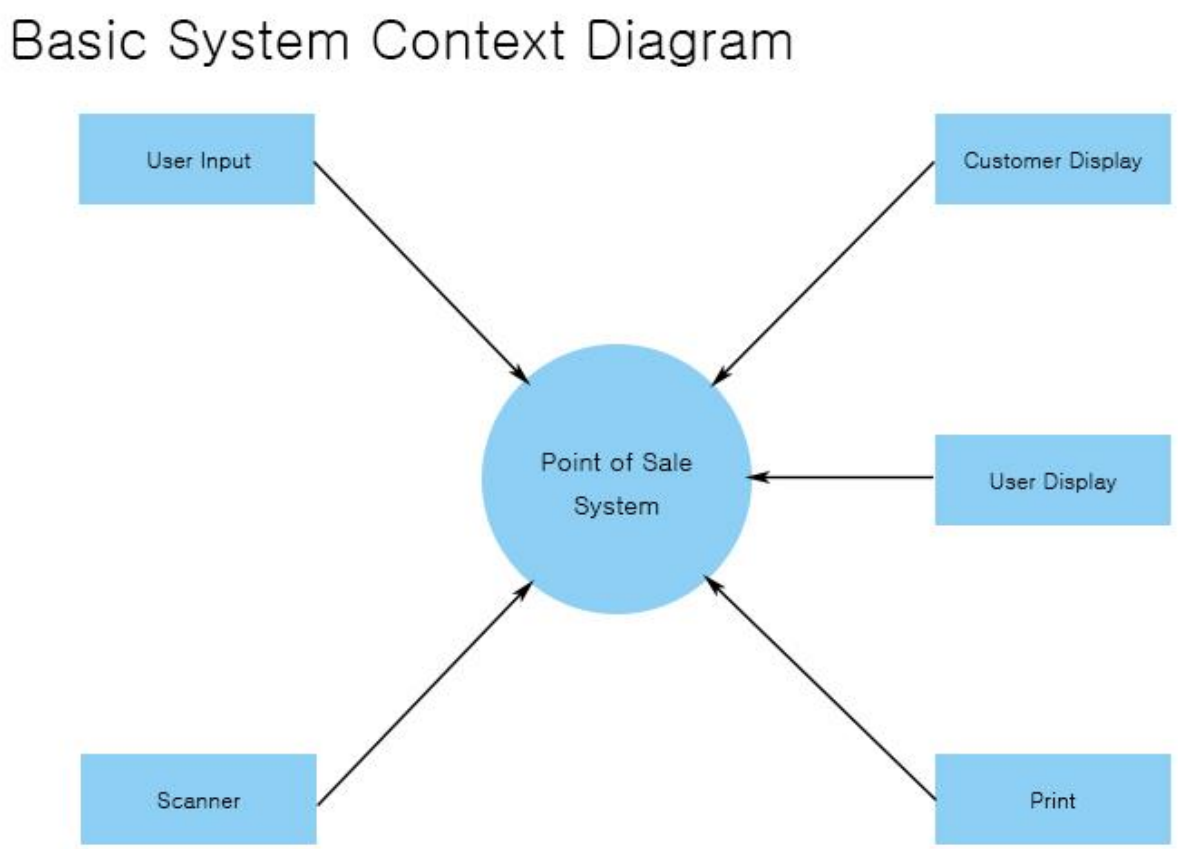
POS System

전제열
박종건
전준영
정다호

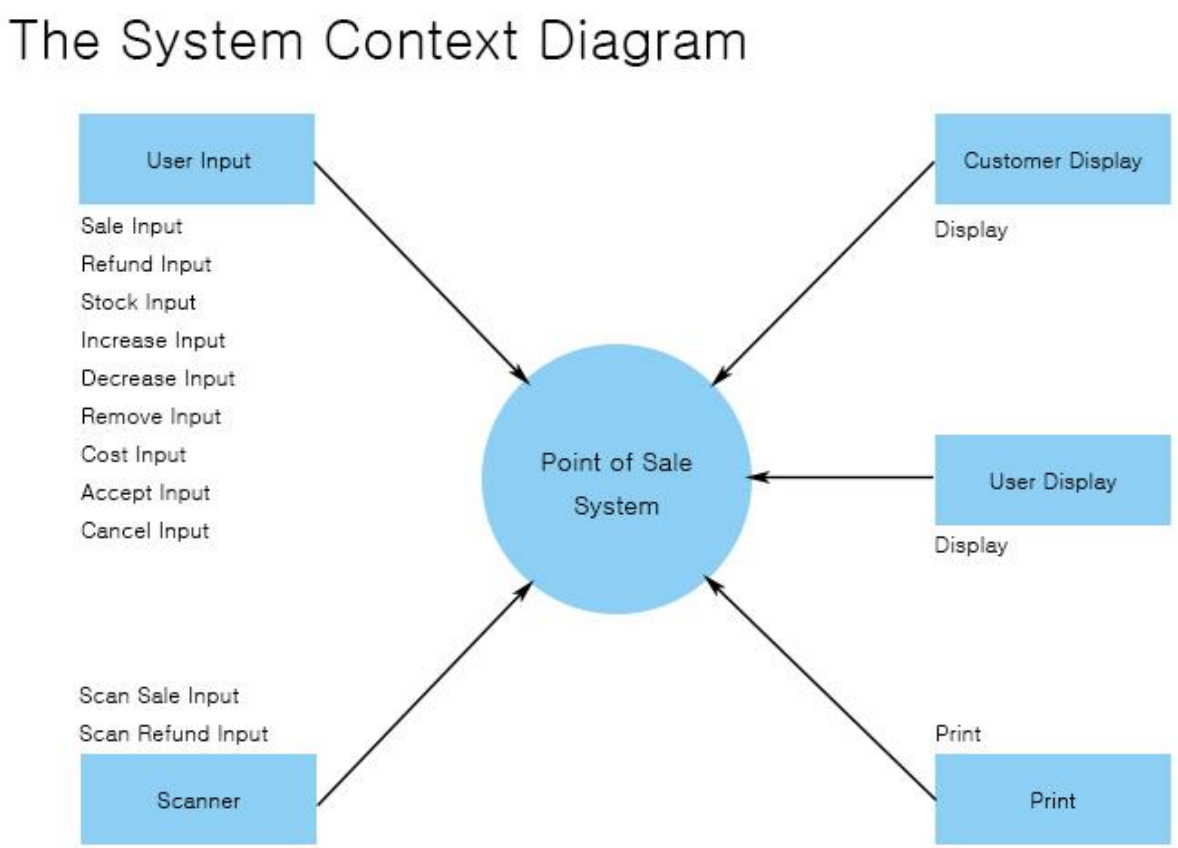
Introduction

- Purpose
- Scope
- Product Functions
- User Characteristics
- Constraints

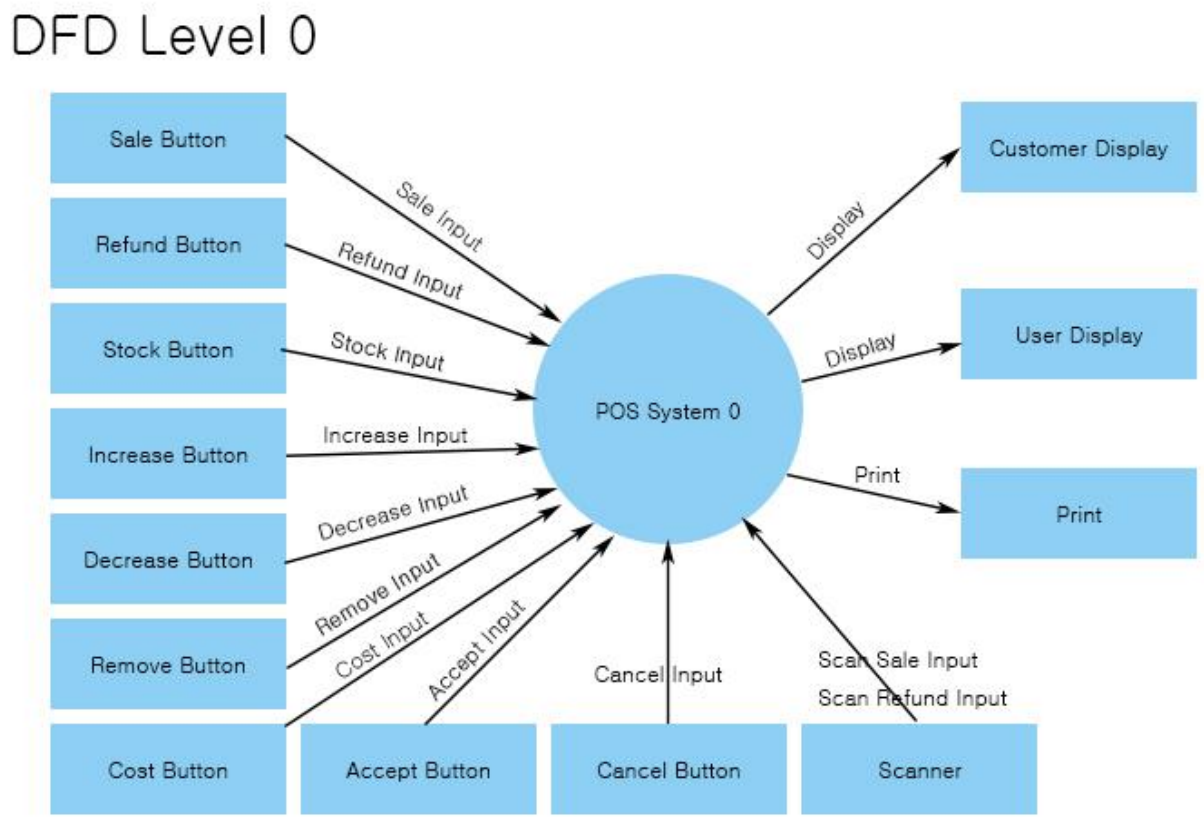
Basic System Context Diagram



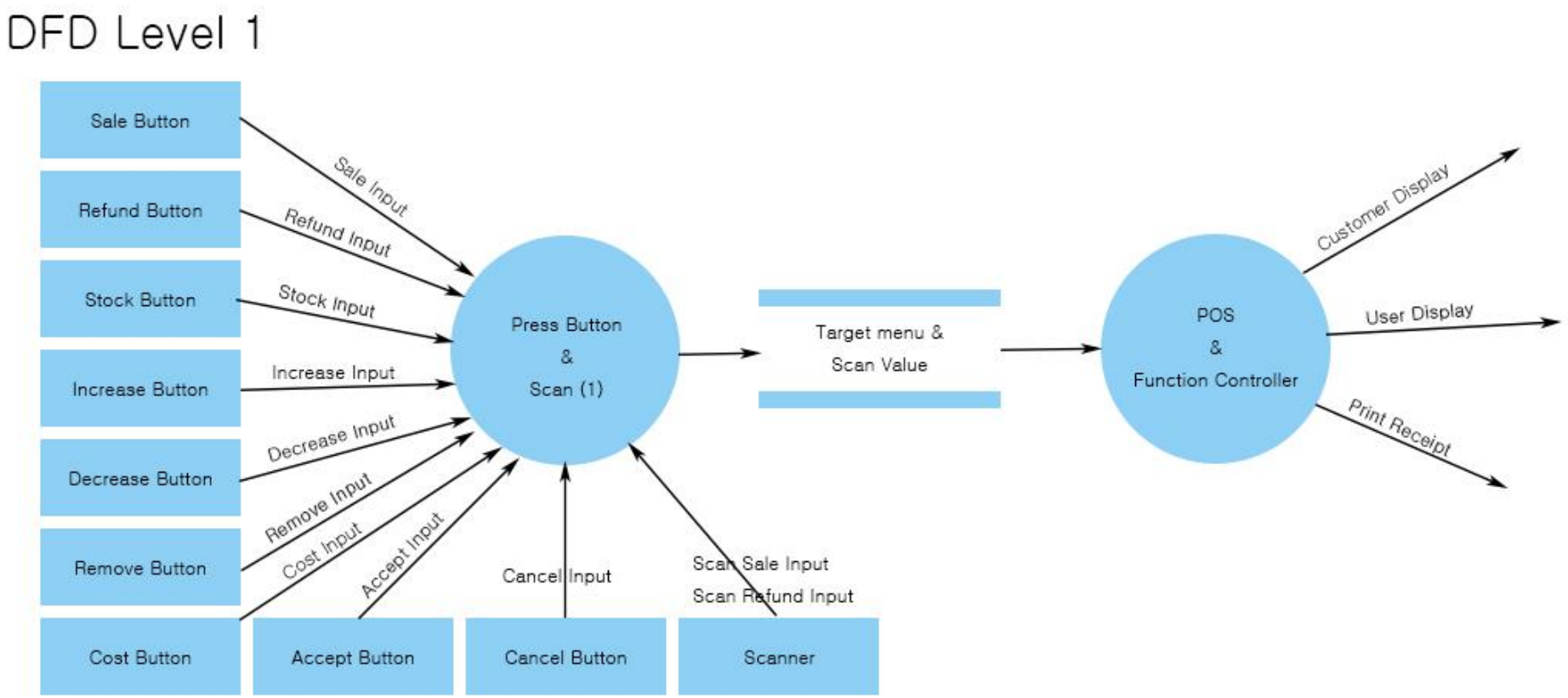
The System Context Diagram



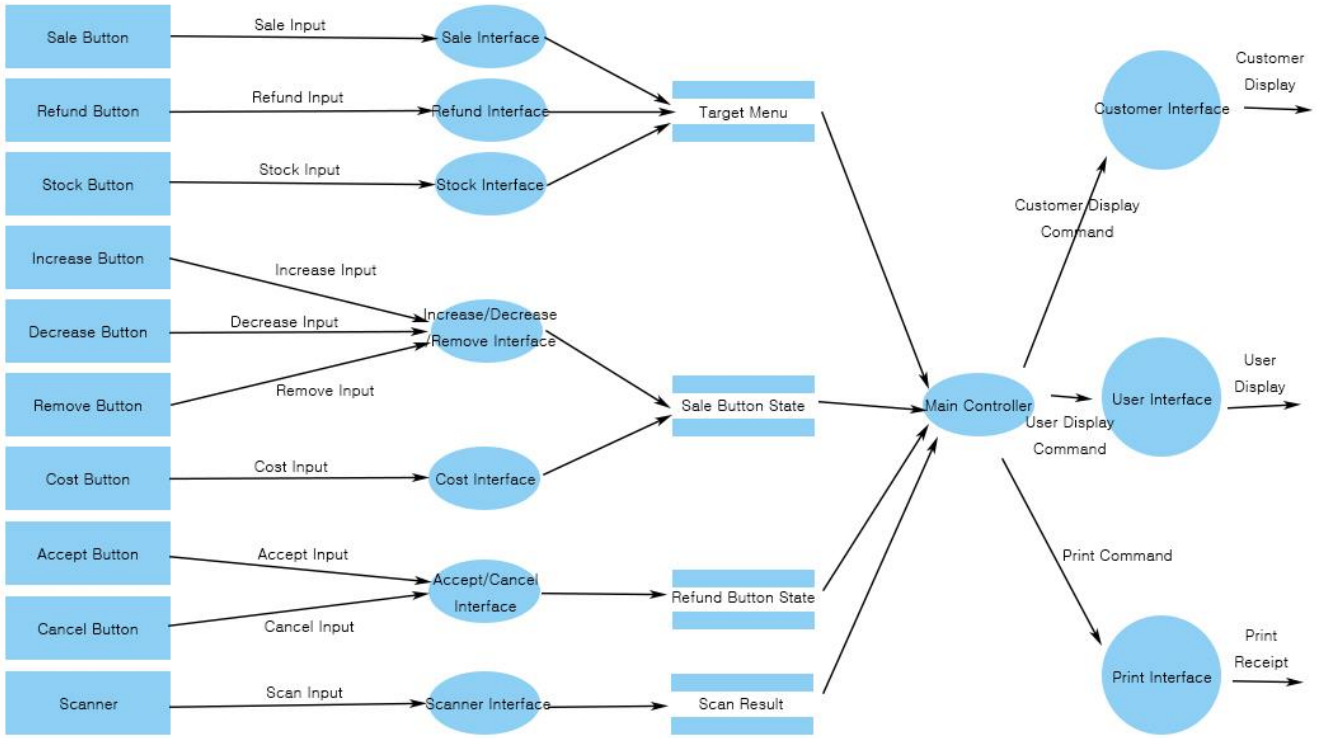
DFD Level 0


DFD Level 0
Sale Button
Refund Button
Stock Button
Increase Button
Decrease Button
Remove Button
Cost Button
Accept Button
Cancel Button
Scanner
Sale Input
Refund Input
Stock Input
Increase Input
Decrease Input
Remove Input
Cost Input
Accept Input
Cancel Input
Scan Sale Input
Scan Refund Input
POS System 0
Display
Display
Print
Customer Display
User Display
Print

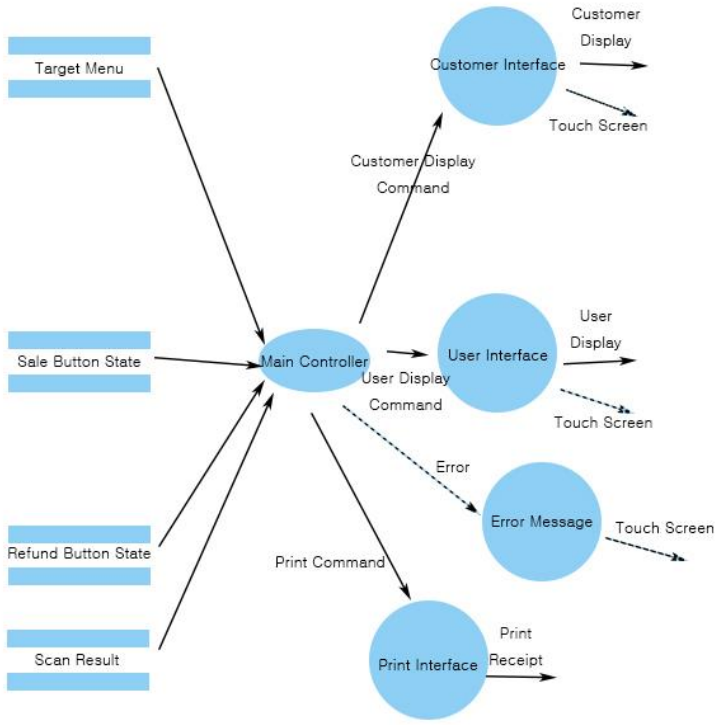
DFD Level 1


DFD Level 1
Sale Button
Refund Button
Stock Button
Increase Button
Decrease Button
Remove Button
Cost Button
Accept Button
Cancel Button
Scanner
Sale Input
Refund Input
Stock Input
Increase Input
Decrease Input
Remove Input
Cost Input
Accept Input
Cancel Input
Scan Sale Input
Scan Refund Input
Press Button
&
Scan (1)
Target menu &
Scan Value
POS
&
Function Controller
Customer Display
User Display
Print Receipt

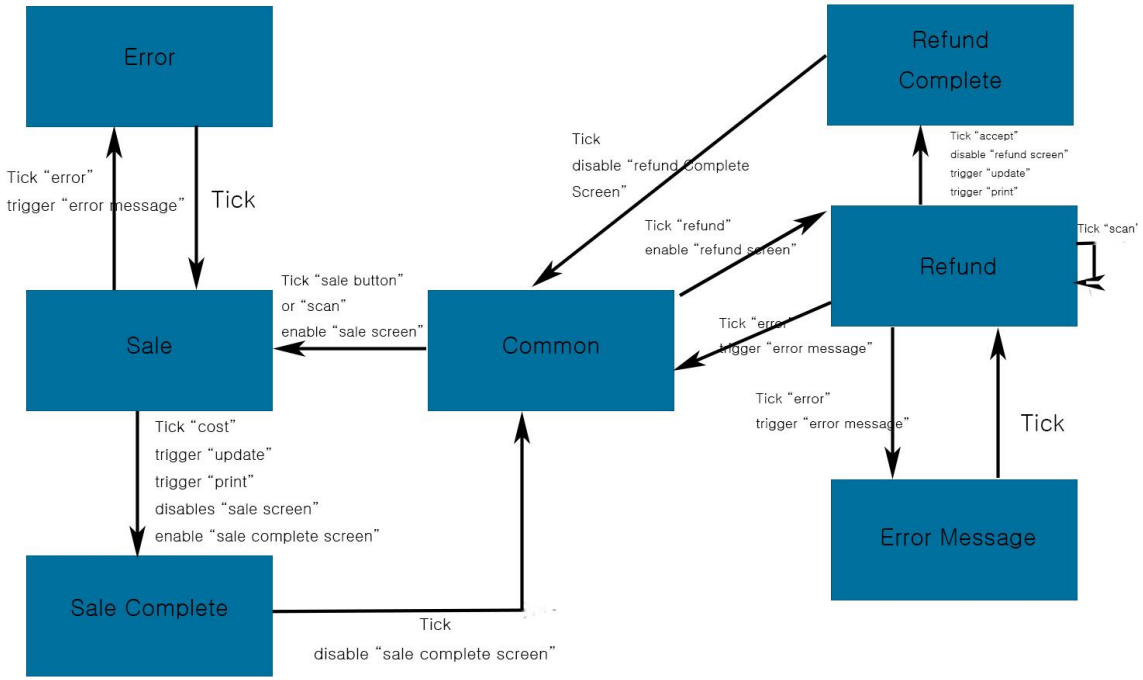
DFD Level 2

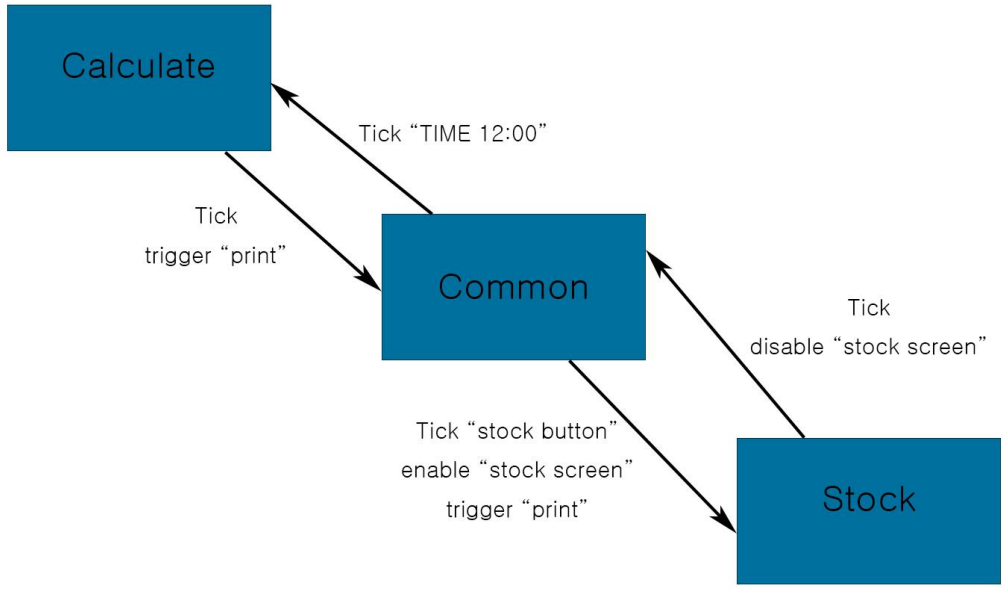

Sale Button
Refund Button
Stock Button
Increase Button
Decrease Button
Remove Button
Cost Button
Accept Button
Cancel Button
Scanner
Sale Input
Refund Input
Stock Input
Increase Input
Decrease Input
Remove Input
Cost Input
Accept Input
Cancel Input
Scan Input
Sale Interface
Refund Interface
Stock Interface
Increase/Decrease
Remove Interface
Cost Interface
Accept/Cancel
Interface
Scanner Interface
Target Menu
Sale Button State
Refund Button State
Scan Result
Main Controller
Customer Display
Command
User Display
Command
Print Command
Customer Interface
User Interface
Print Interface
Customer
Display
User
Display
Print
Receipt

DFD Level 3

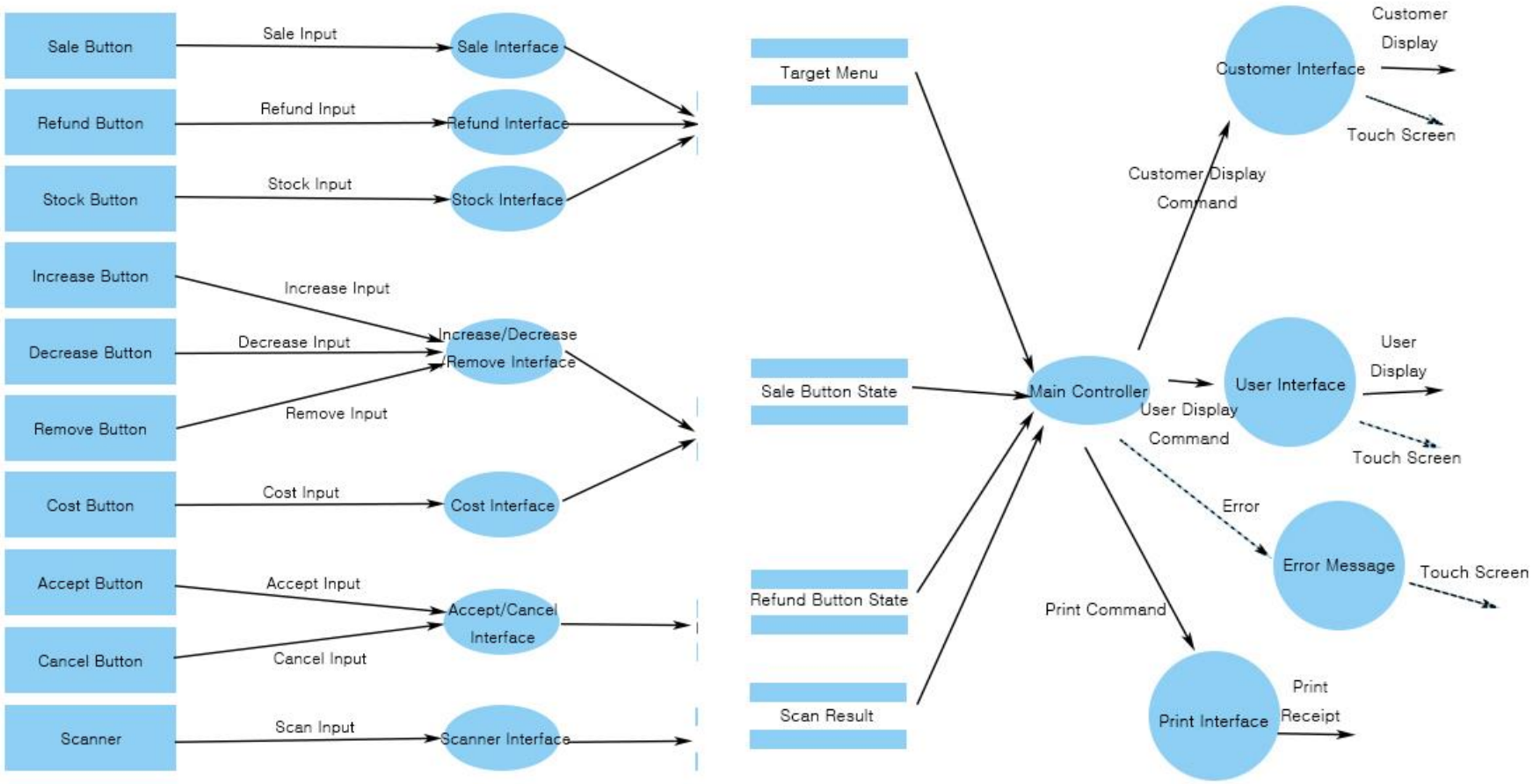

Target Menu
Sale Button State
Refund Button State
Scan Result
Main Controller
Customer Interface
Customer Display
Touch Screen
Customer Display Command
User Interface
User Display
Touch Screen
User Display Command
Error
Error Message
Touch Screen
Print Command
Print Interface
Print Receipt

State Transition Diagram





Overall DFD


Sale Button
Refund Button
Stock Button
Increase Button
Decrease Button
Remove Button
Cost Button
Accept Button
Cancel Button
Scanner
Sale Input
Refund Input
Stock Input
Increase Input
Decrease Input
Remove Input
Cost Input
Accept Input
Cancel Input
Scan Input
Sale Interface
Refund Interface
Stock Interface
Increase/Decrease
Remove Interface
Cost Interface
Accept/Cancel
Interface
Scanner Interface
Target Menu
Sale Button State
Refund Button State
Scan Result
Main Controller
Customer Interface
Customer
Display
Touch Screen
Customer Display
Command
User Interface
User
Display
Touch Screen
User Display
Command
Error
Error Message
Touch Screen
Print Command
Print Interface
Print
Receipt