

Presentation No.2

Structured Design

Public Transportation System

Team 6

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SA Review

- ✓ Diagram Modification – Card Tagger
- ✓ Diagram Modification – Calculation System

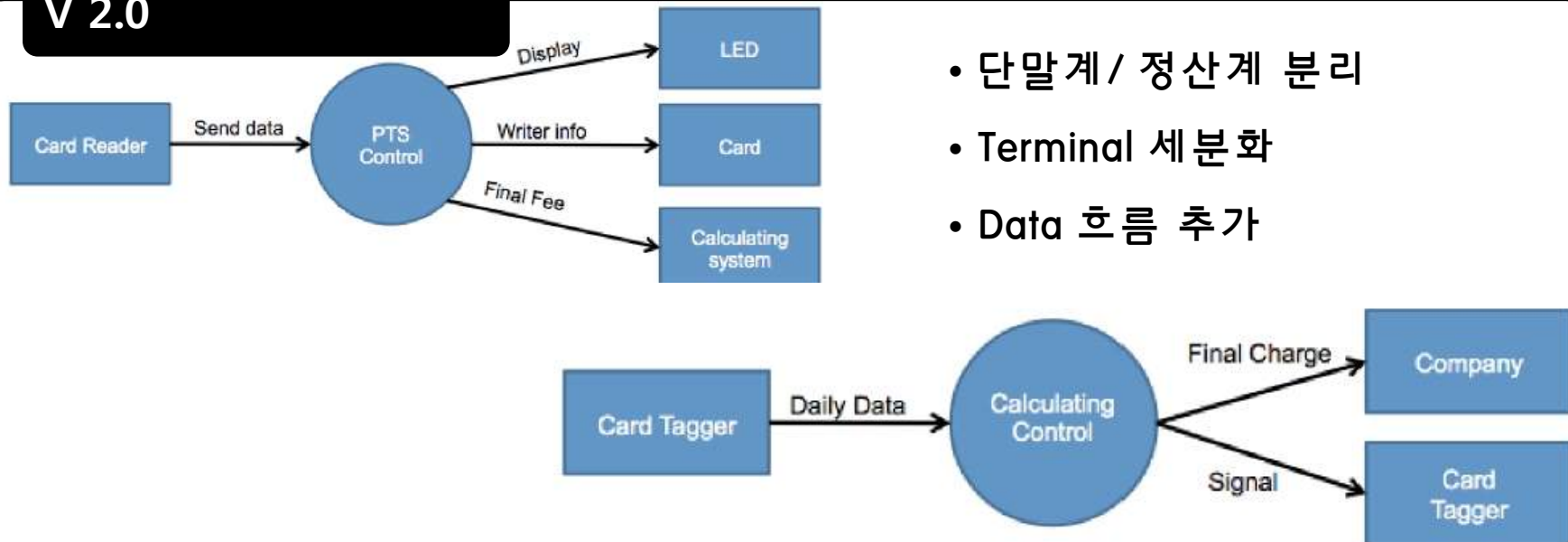
System Context Diagram

Modification

V 1.0



V 2.0

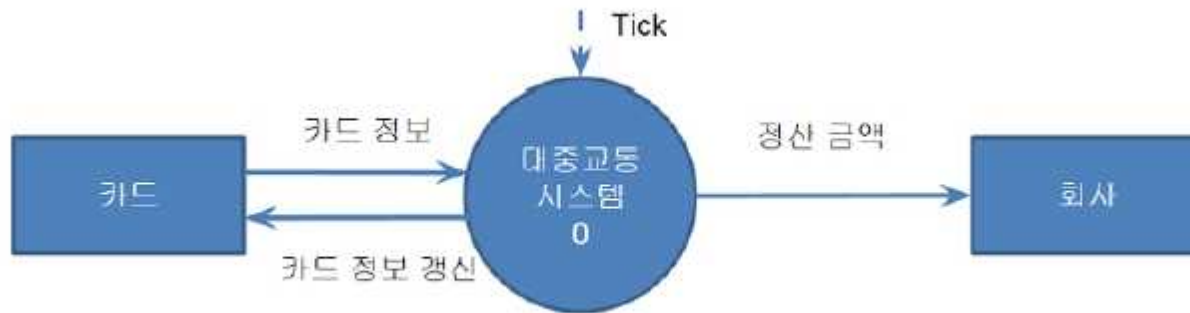


- 단말계 / 정산계 분리
- Terminal 세분화
- Data 흐름 추가

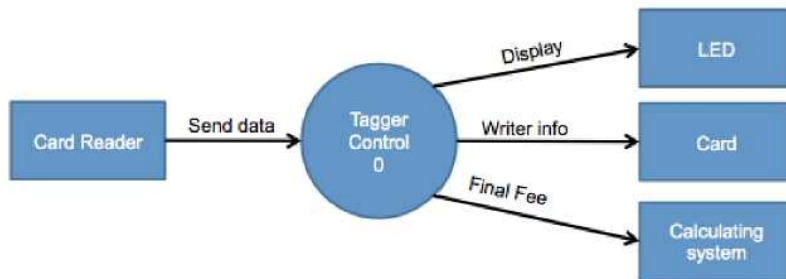
Data Flow Diagram Lv0

Modification

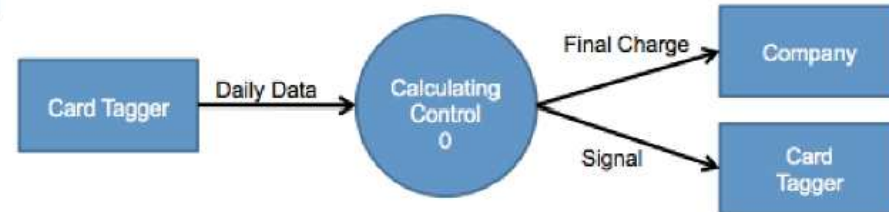
V 1.0



V 2.0



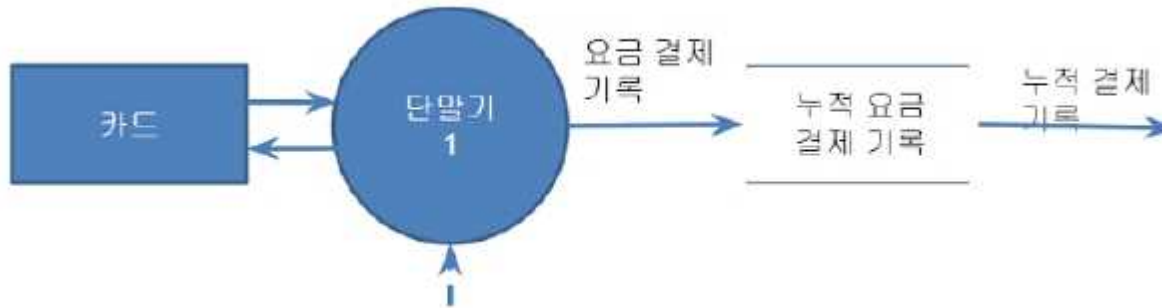
• System Context Diagram 과 동일



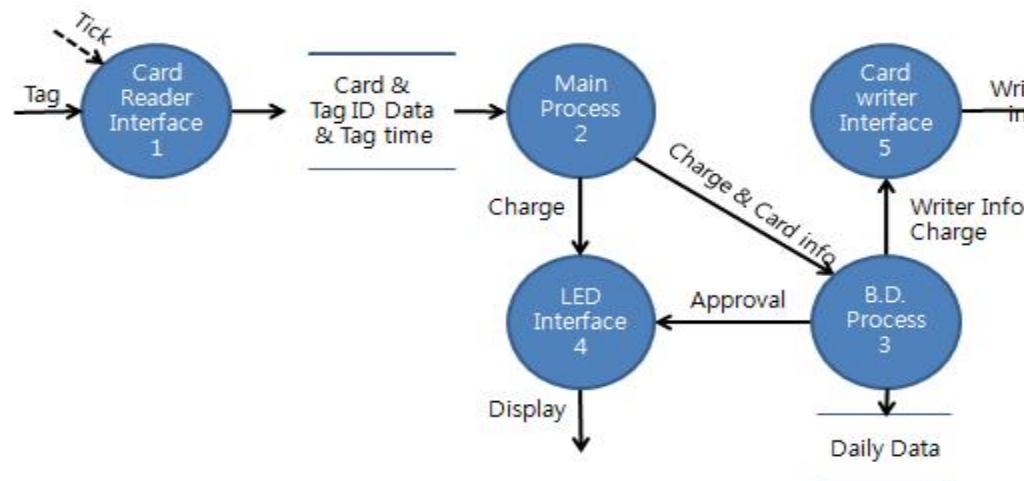
Data Flow Diagram Lv1

Card Tagger Modification

V 1.0



V 2.0

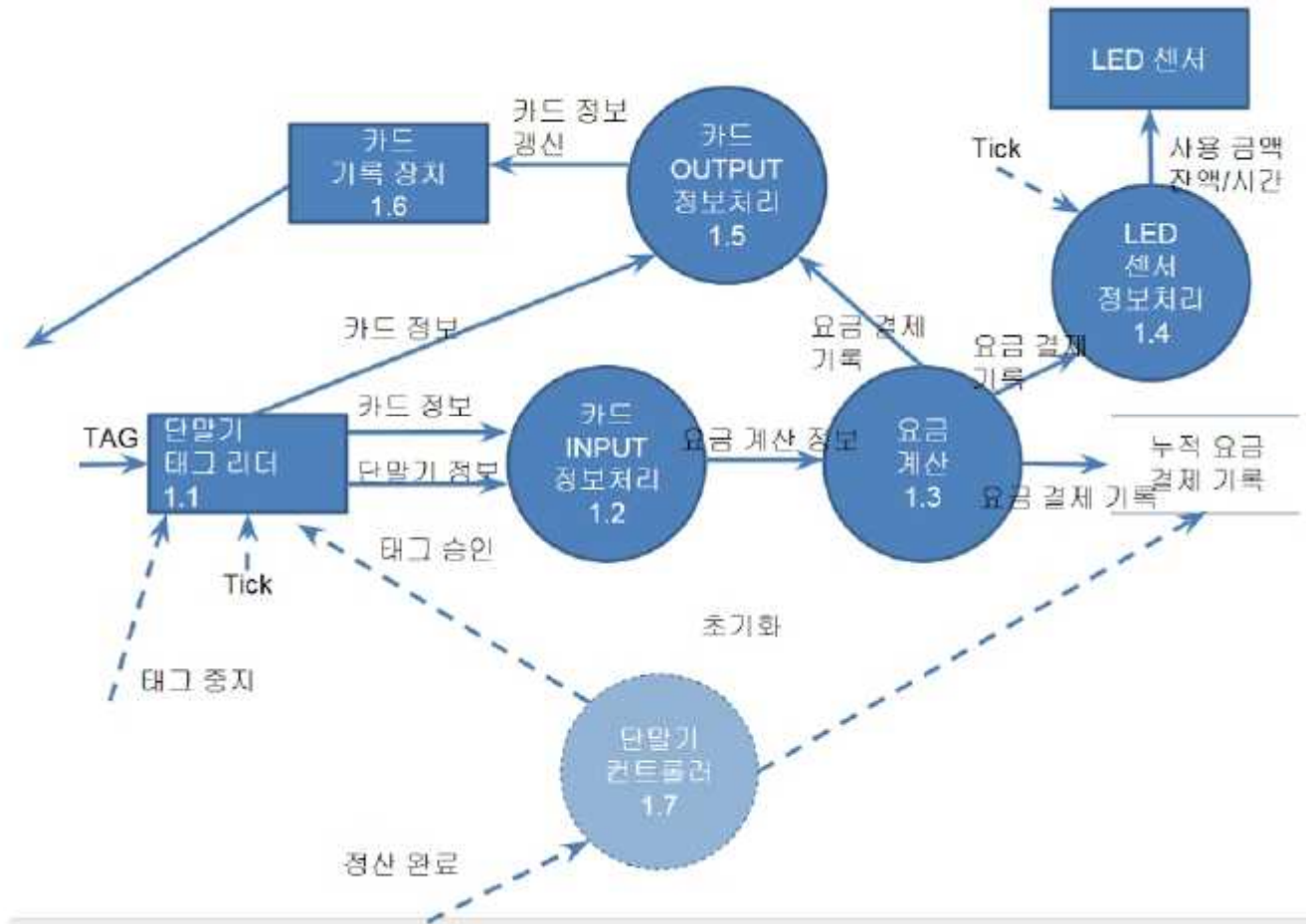


- 데이터 별 처리 프로세스로 세분화
- 입력 인터페이스 추가 및 Input DS추가
- 용도별 데이터 세분화

Data Flow Diagram Lv2

Card Tagger Modification

V 1.0

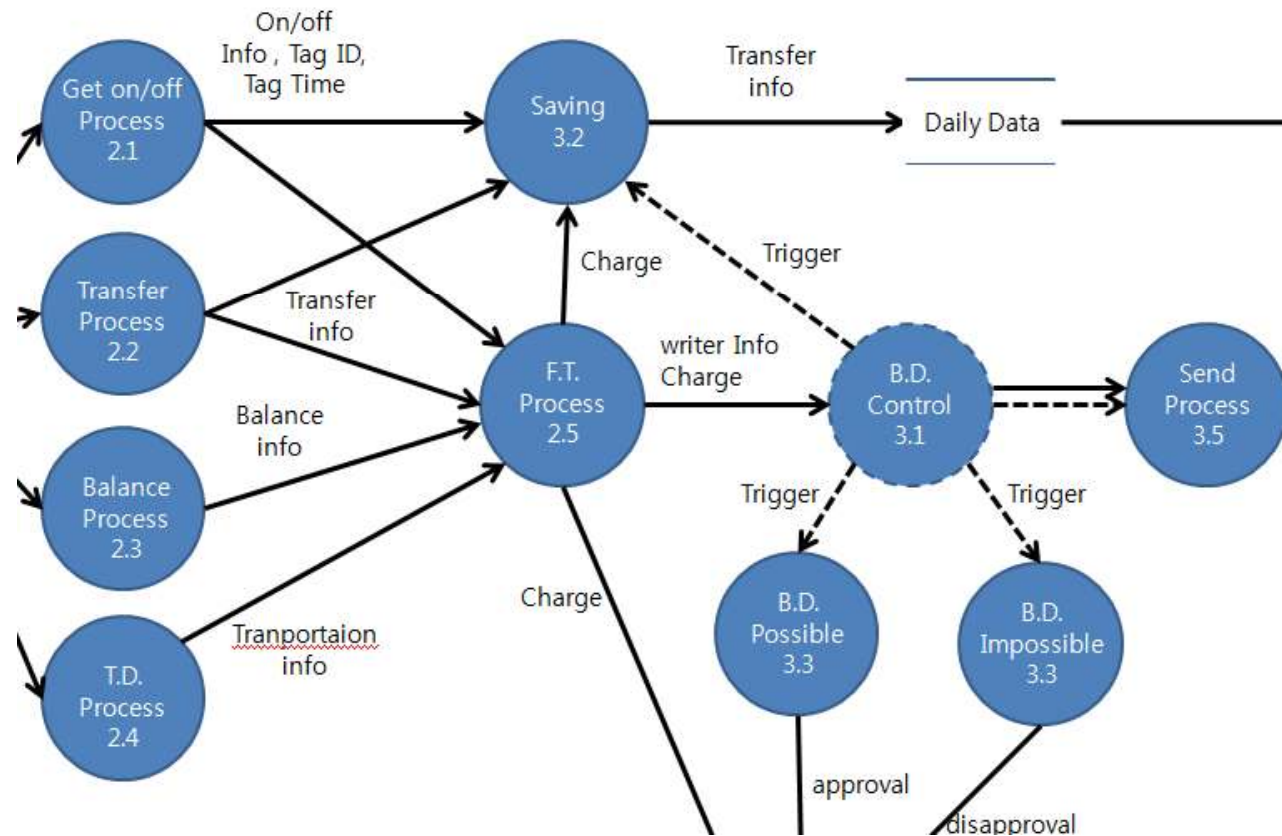


Data Flow Diagram Lv2

Card Tagger Modification

V 2.0

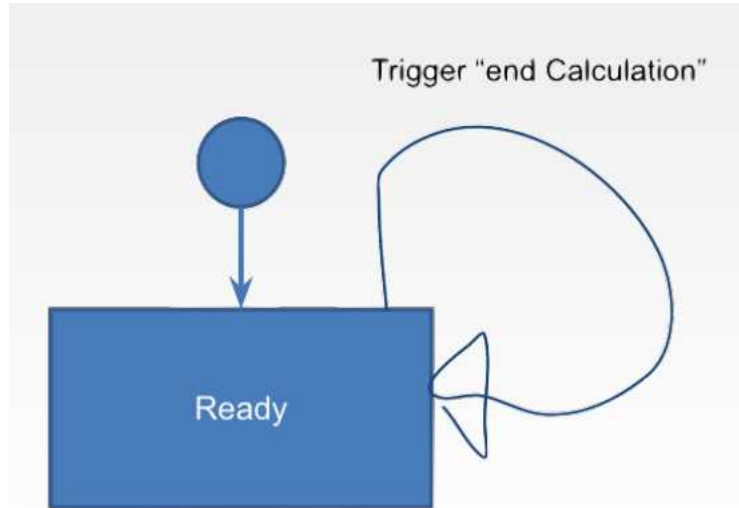
- 데이터별 프로세스 세분화(2.1~2.4, 3.2, 3.5)
- 프로세스 당 단일 데이터 Output하도록 수정(2.1~2.4)



State Transition Diagram

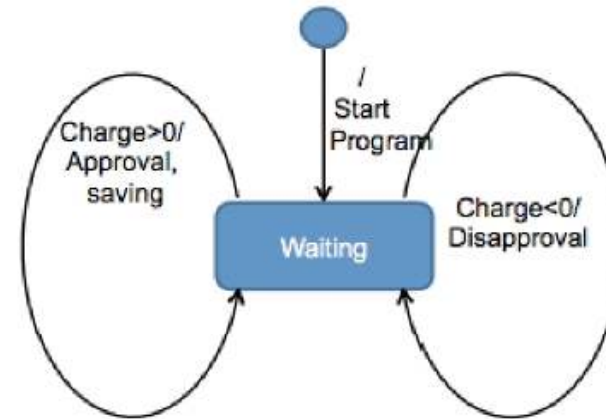
Card Tagger Modification

V 1.0



- Input/Output 세분화 부족
- State Transition 상세 부족

V 2.0

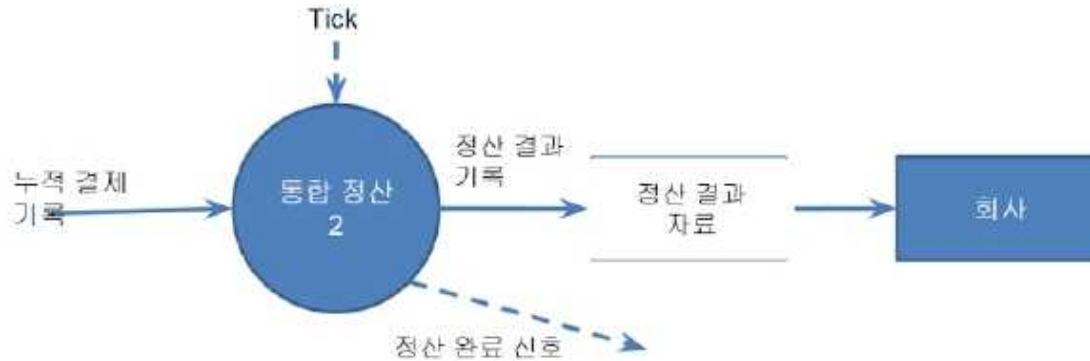


- Input/Output 세분화 (/Start Program)
- State Transition 상세 부족 (Charge State 추가)

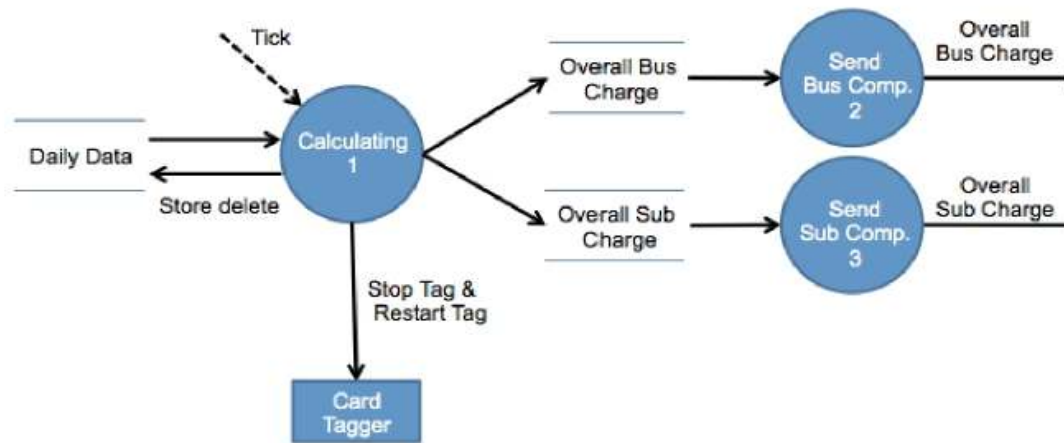
Data Flow Diagram Lv1

Calculation Modification

V 1.0



V 2.0

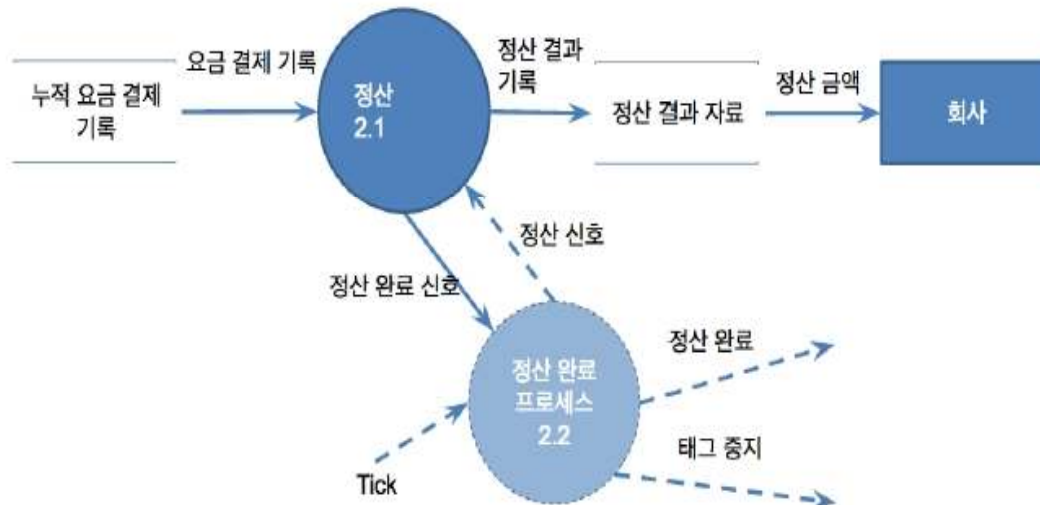


- 데이터 별 터미널 및 DS 세분화
- Input 데이터 세분화(데이터 명기)

Data Flow Diagram Lv2

Calculation Modification

V 1.0

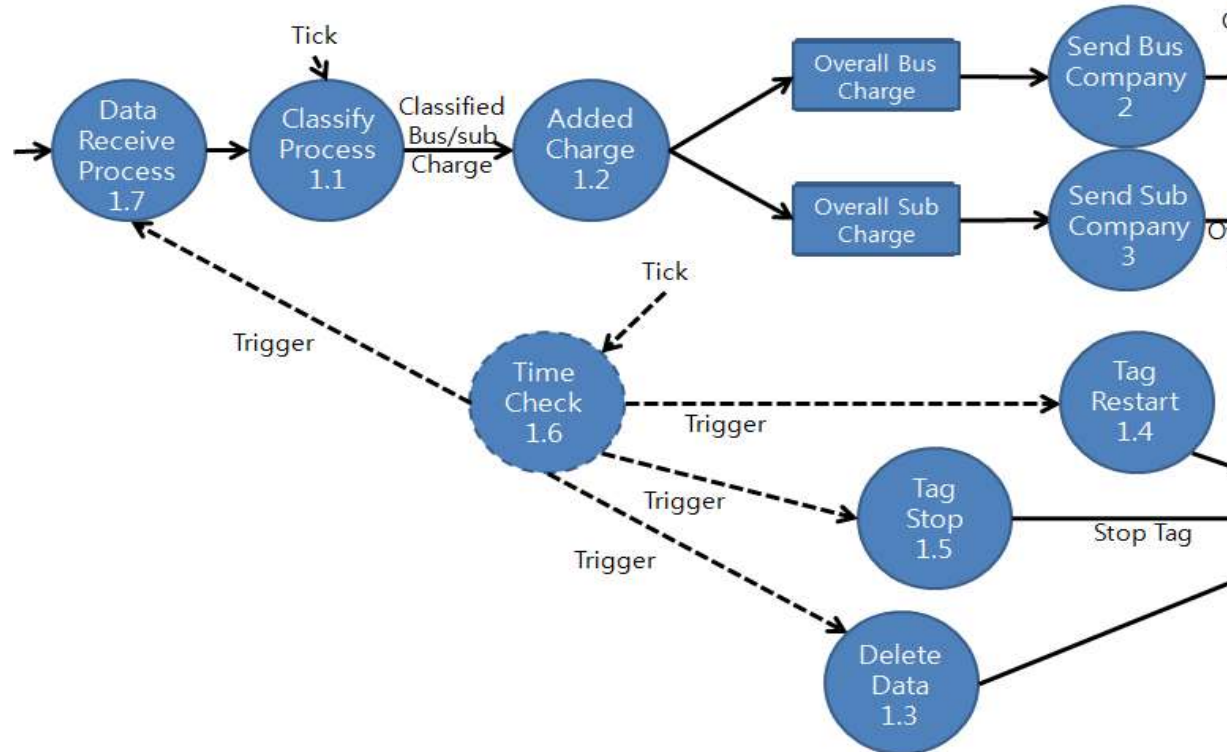


Data Flow Diagram Lv2

Calculation Modification

V 2.0

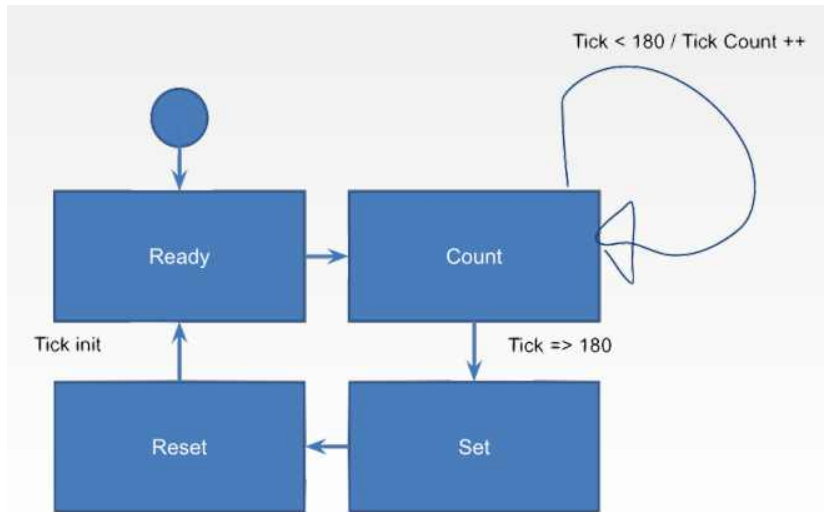
- State Transition 별 처리 프로세스 추가(1.3 ~ 1.5)
- 시간별 정산 체크 방식으로 변경 (1.6)
- Data Input을 담당하는 프로세스 추가(1.7)



State Transition Diagram

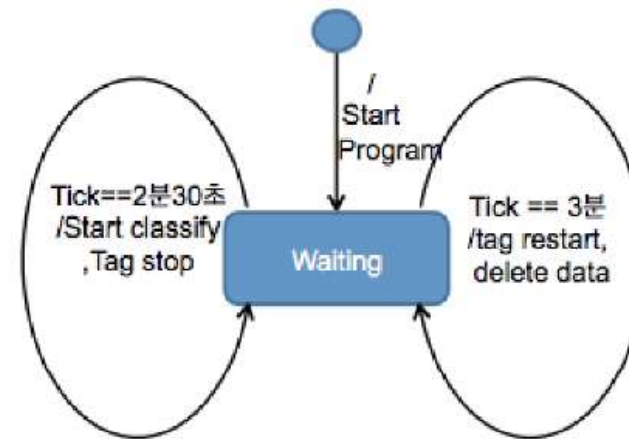
Calculation Modification

V 1.0



- 불필요 State 존재
- State Transition 간 Trigger 상세 부족

V 2.0



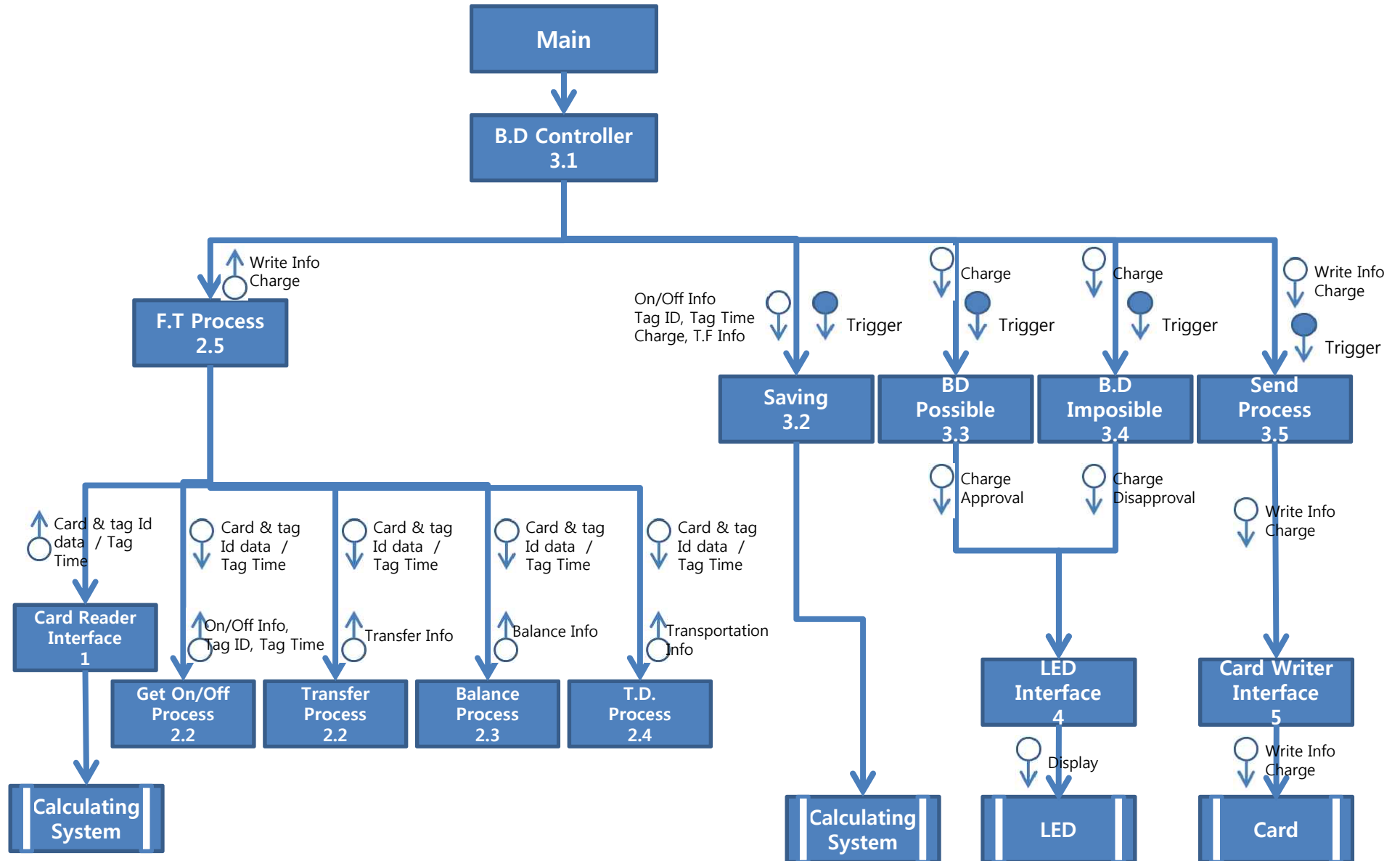
- Trigger 상세 추가
- 불필요 State 제거

SD Charts

- ✓ Structured Diagram – Card Tagger
- ✓ Structured Diagram – Calculation System

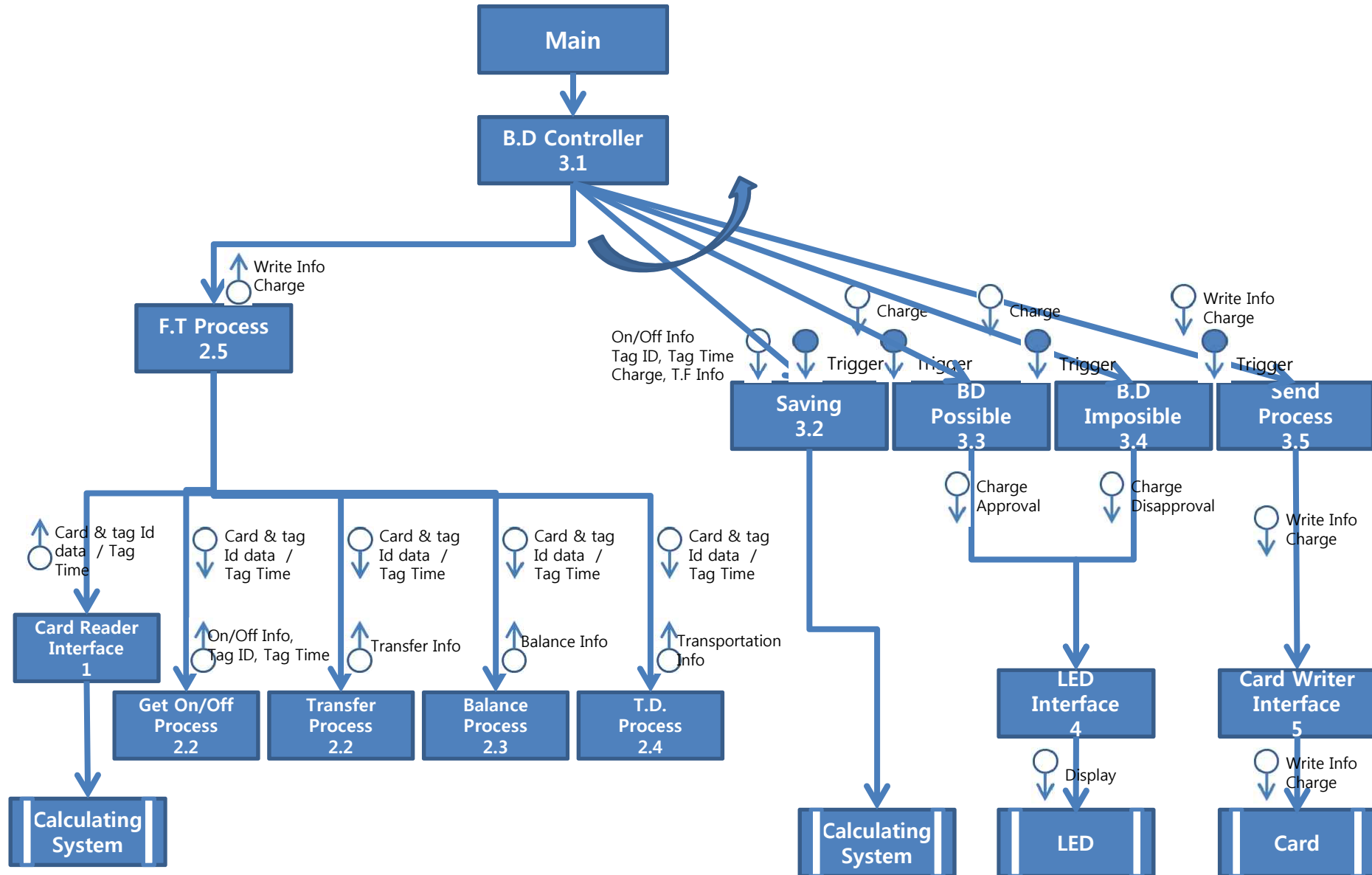
Structured Chart

1.Card Tagger - Basic



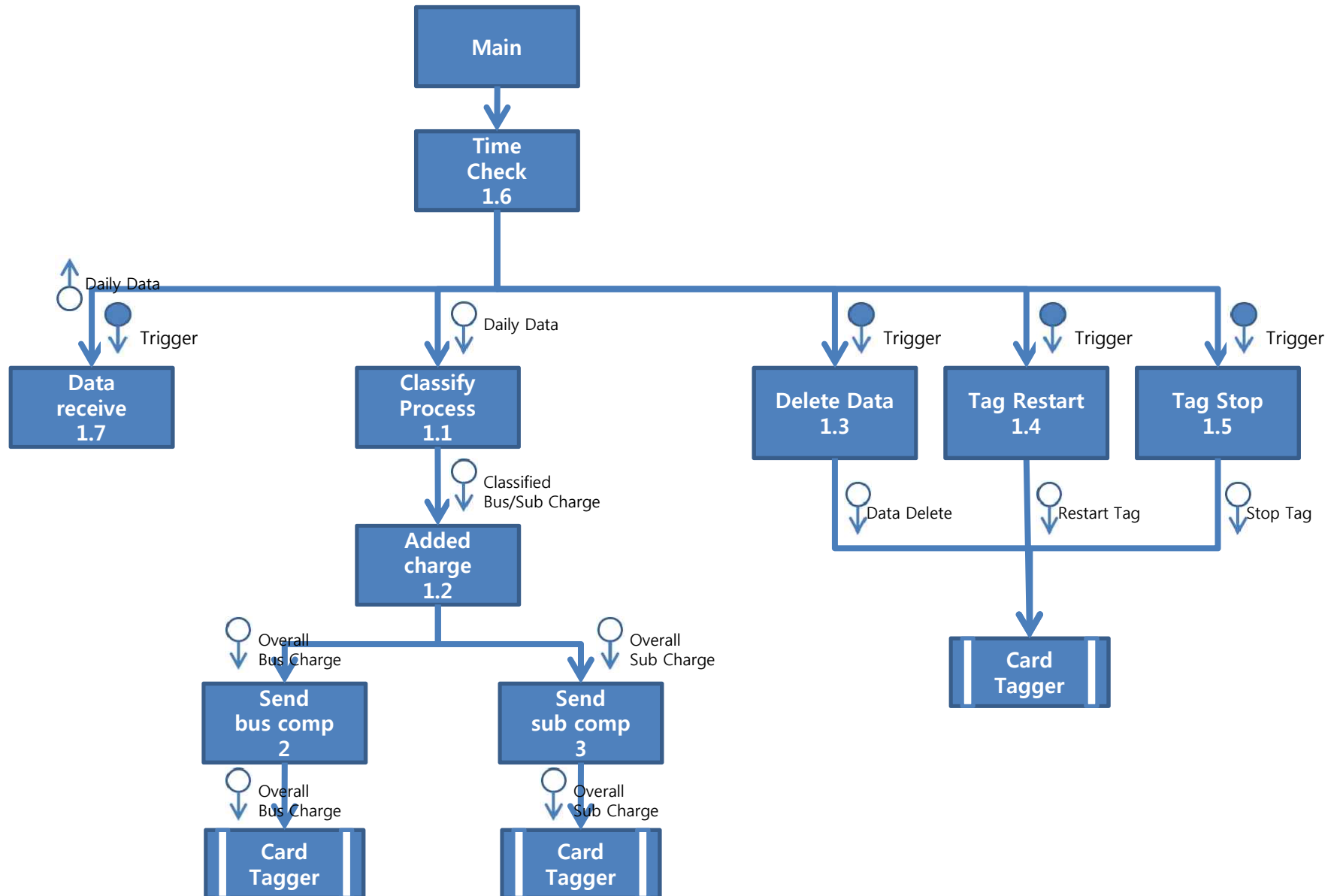
Structured Chart

1.Card Tagger - Advanced



Structured Chart

2. Calculating System - Basic



Structured Chart

2. Calculating System - Advanced

