System Testing

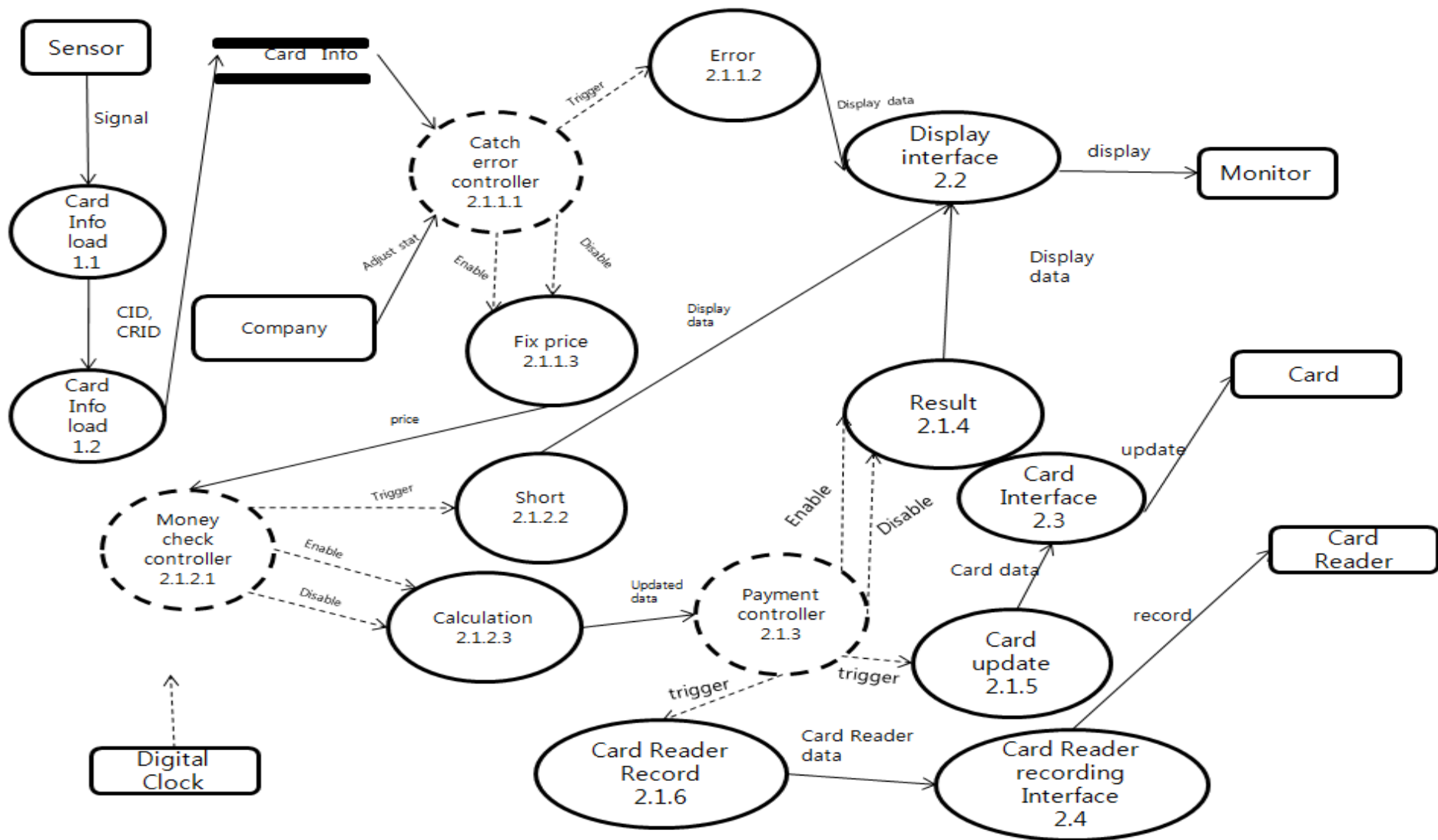## for Public Transportation System

201311269 김제헌
201311275 박상희
201311276 박형민
201311287 엄현식
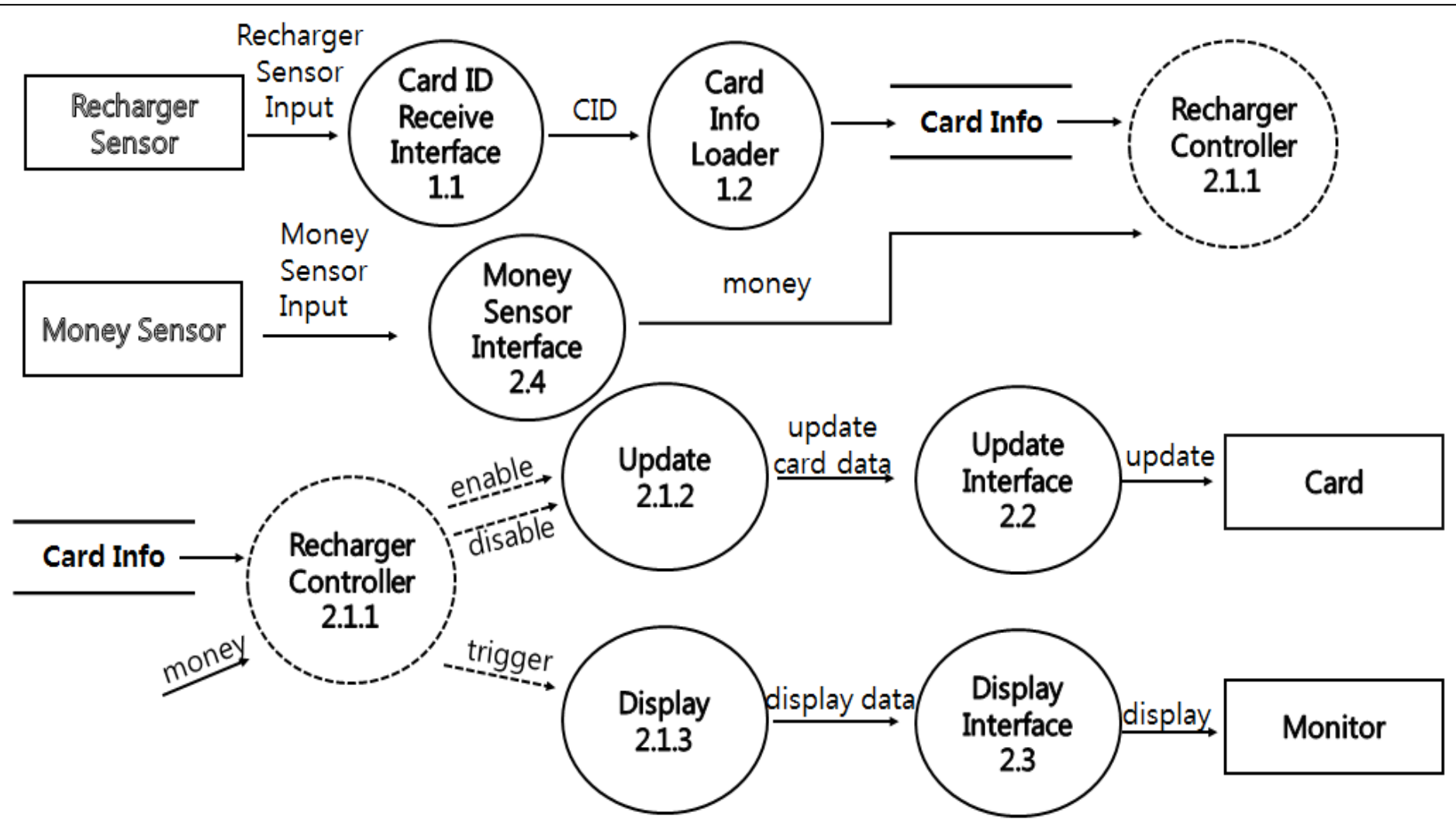
Table of Contents

I. SRA - PTS

Sensor

Signal

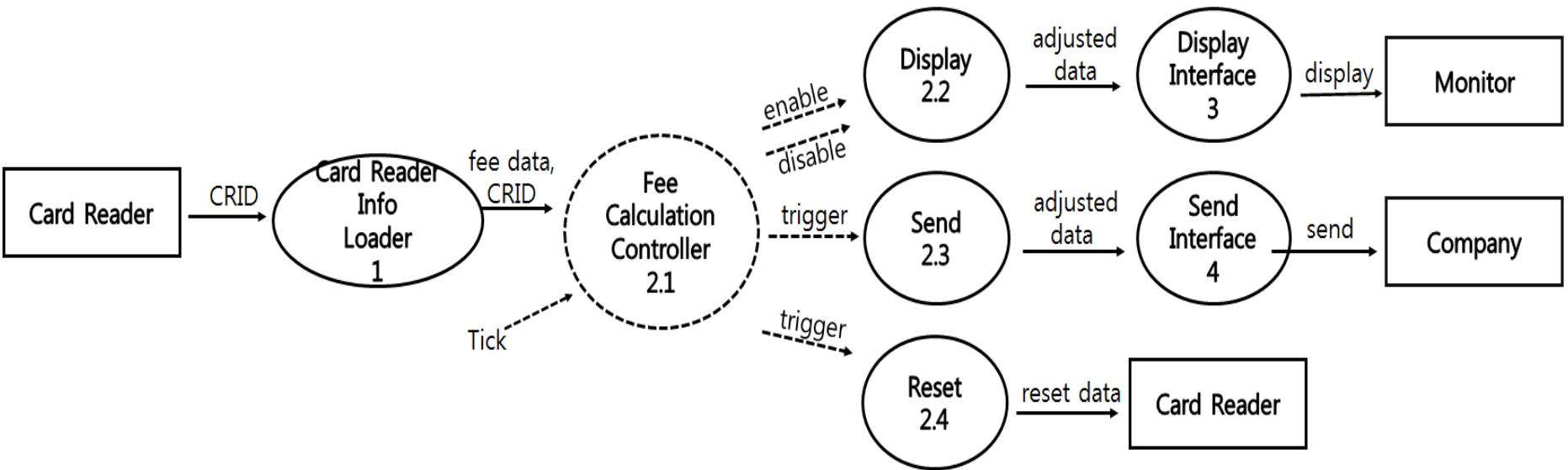Card Info

Card Info load 1.1

CID, CRID

Card Info load 1.2

Catch error controller 2.1.1.1

Error 2.1.1.2

Display interface 2.2

Display data

display

Monitor

Trigger

Adjust stat

Enable

Disable

Company

Fix price 2.1.1.3

Display data

price

Result 2.1.4

Card Interface 2.3

Card

update

Display data

Money check controller 2.1.2.1

Trigger

Short 2.1.2.2

Enable

Disable

Enable

Disable

Payment controller 2.1.3

Card data

Card Reader

Calculation 2.1.2.3

Updated data

Card update 2.1.5

record

Digital Clock

trigger

trigger

Card Reader Record 2.1.6

Card Reader data
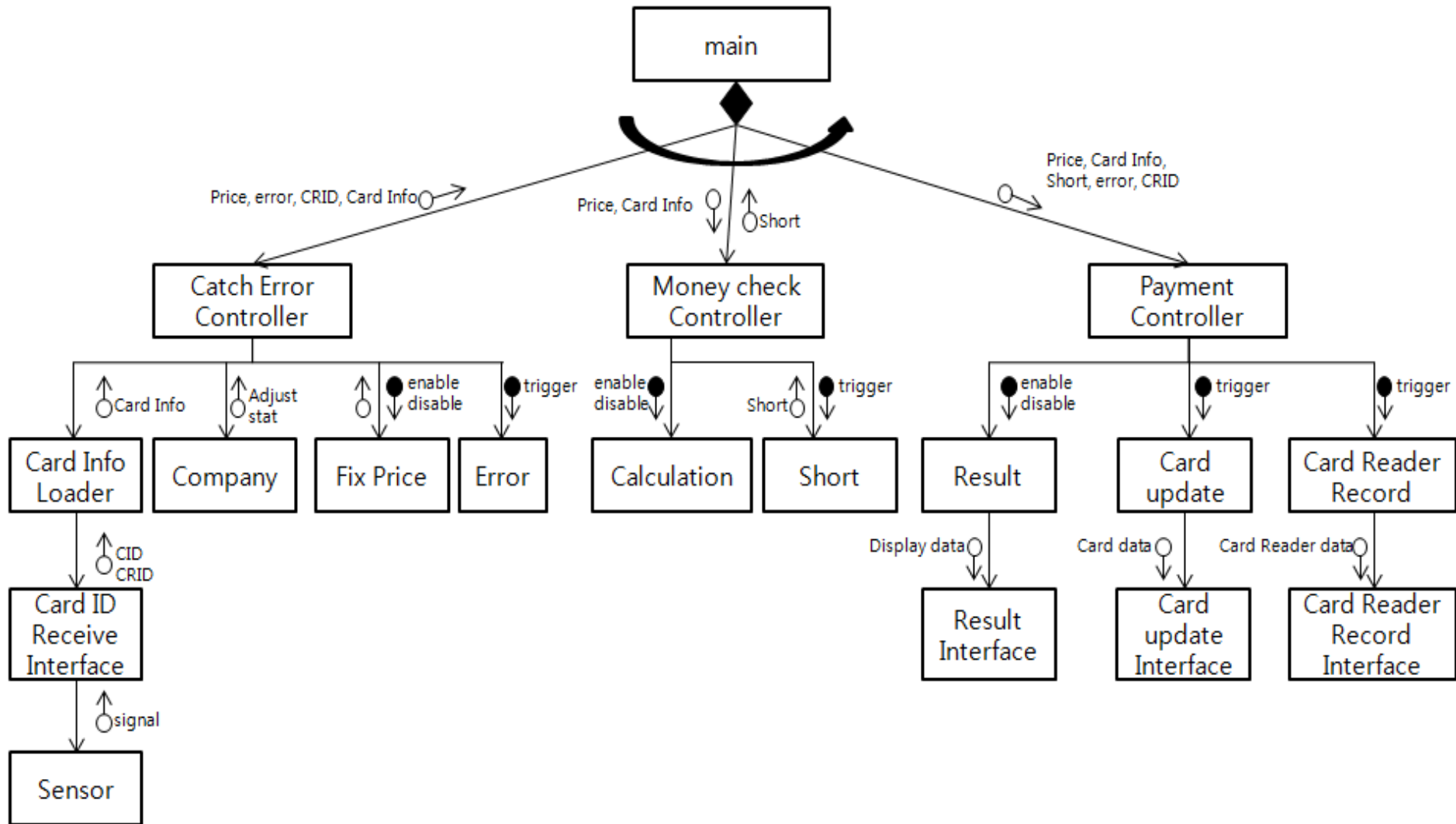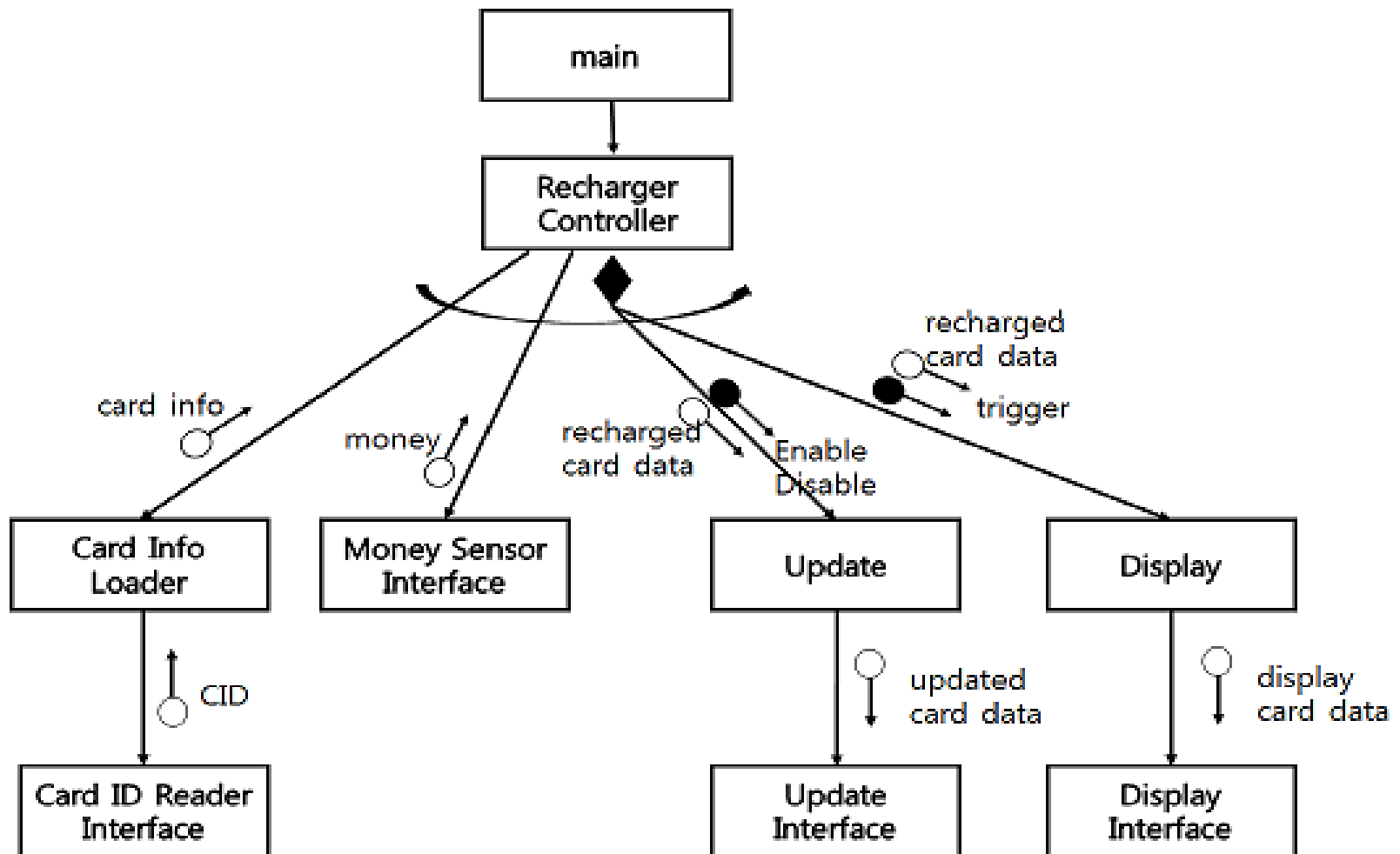
Card Reader recording Interface 2.4

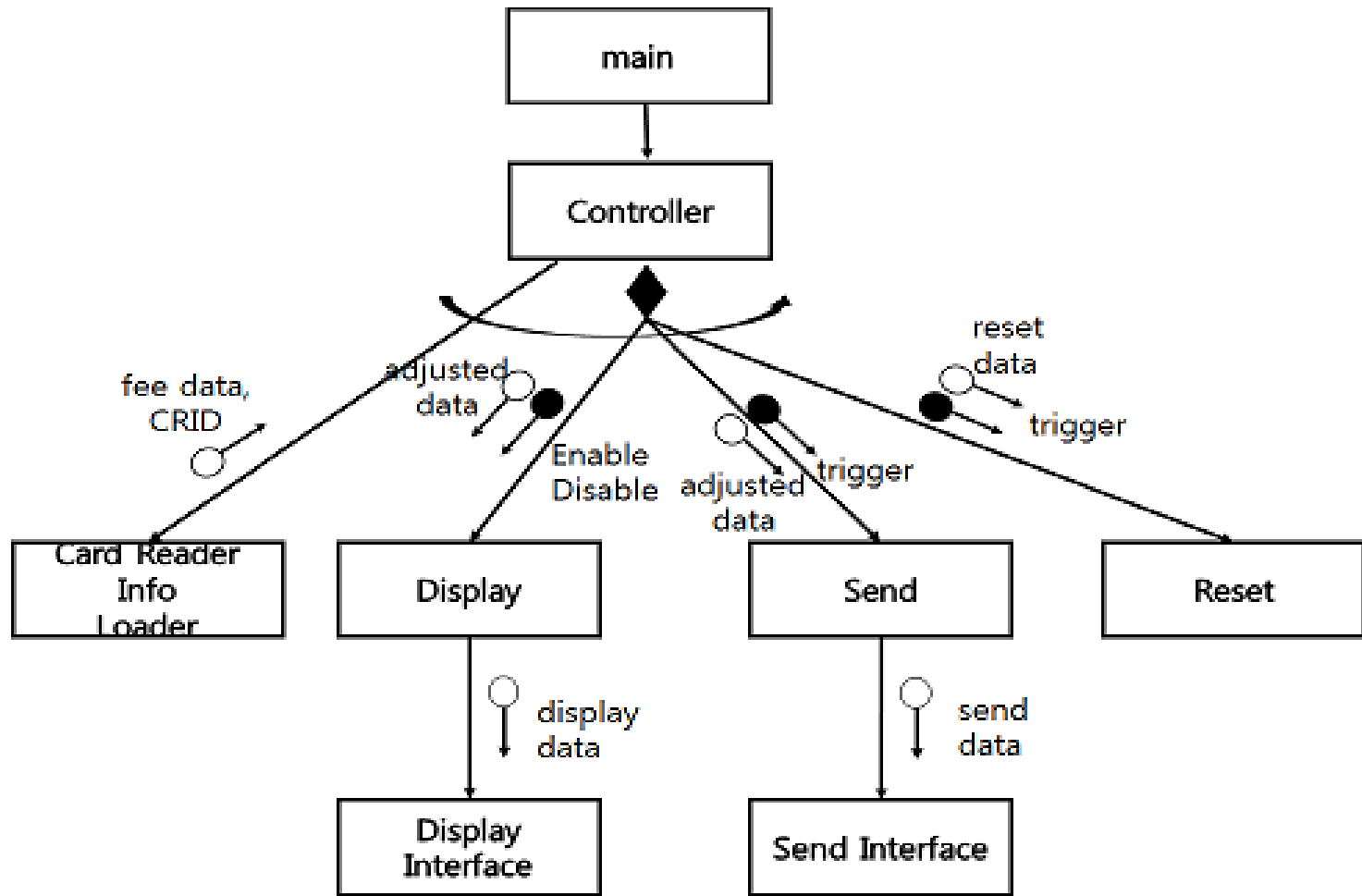# I. SRA – Recharger System

I. SRA – Fee Calculation System

II. SDS – PTS(Advanced)

II. SDS – RS(Advanced)

II. SDS – FCS(Advanced)

III. System Test

PTS.STC.303.000	FAIL
PTS.STC.304.000	PASS
PTS.STC.305.000	FAIL
PTS.STC.305.001	FAIL
PTS.STC.305.002	FAIL
PTS.STC.305.003	FAIL
PTS.STC.305.004	FAIL
PTS.STC.305.005	FAIL
PTS.STC.305.006	FAIL
PTS.STC.305.007	FAIL
PTS.STC.305.008	FAIL
PTS.STC.305.009	FAIL
PTS.STC.305.010	FAIL
PTS.STC.305.011	FAIL
PTS.STC.305.012	FAIL
PTS.STC.306.000	PASS

➡

PTS.STC.303.000	PASS
PTS.STC.304.000	PASS
PTS.STC.305.000	PASS
PTS.STC.305.001	PASS
PTS.STC.305.002	PASS
PTS.STC.305.003	PASS
PTS.STC.305.004	PASS
PTS.STC.305.005	PASS
PTS.STC.305.006	PASS
PTS.STC.305.007	PASS
PTS.STC.305.008	PASS
PTS.STC.305.009	PASS
PTS.STC.305.010	PASS
PTS.STC.305.011	PASS
PTS.STC.305.012	PASS
PTS.STC.306.000	PASS

- 시그윈에서 정산 시 데이터를 불러들이는 방식이 달라서 정산 시 오류가 났습니다.(시그윈은 이어서 저장한다.) 그래서 읽는 방식을 수정하였습니다.
- Time.h에 있는 mktime함수 사용시 값의 손실이 일어나는 경우가 있어서 새로운 함수를 만들어 대체 사용하였습니다.

III. System Test

PTS.STC.702.000	FAIL
PTS.STC.703.001	FAIL
PTS.STC.704.000	PASS
PTS.STC.704.001	PASS
PTS.STC.704.002	PASS
PTS.STC.704.003	PASS
PTS.STC.704.004	PASS
PTS.STC.704.005	PASS
PTS.STC.705.000	FAIL
PTS.STC.705.001	FAIL
PTS.STC.705.002	FAIL
PTS.STC.705.003	FAIL
PTS.STC.705.004	FAIL
PTS.STC.705.005	FAIL

PTS.STC.702.000	FAIL
PTS.STC.703.001	FAIL
PTS.STC.704.000	PASS
PTS.STC.704.001	PASS
PTS.STC.704.002	PASS
PTS.STC.704.003	PASS
PTS.STC.704.004	PASS
PTS.STC.704.005	PASS
PTS.STC.705.000	FAIL
PTS.STC.705.001	FAIL
PTS.STC.705.002	FAIL
PTS.STC.705.003	FAIL
PTS.STC.705.004	FAIL
PTS.STC.705.005	FAIL

- 단말기 정보를 ' , '로 구분하는 것이 SRS에 있었으나 이미 TAB을 통해 구현하고 차이가 없다고 생각하여 수정을 하지 않았습니다.
- ID_Count가 SRS에 있었으나 사용하는 것이 비 효율적이여서 사용의 의미를 찾을 수 없어서 사용하지 않았습니다.
- 환승시 이전 단말기의 정보를 저장한다라는 것이 SRS에 있었으나 이 역시 사용의 의미를 찾을 수 없어서 사용하지 않았습니다.

IV. Demo

Q&A

Thank YOU

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