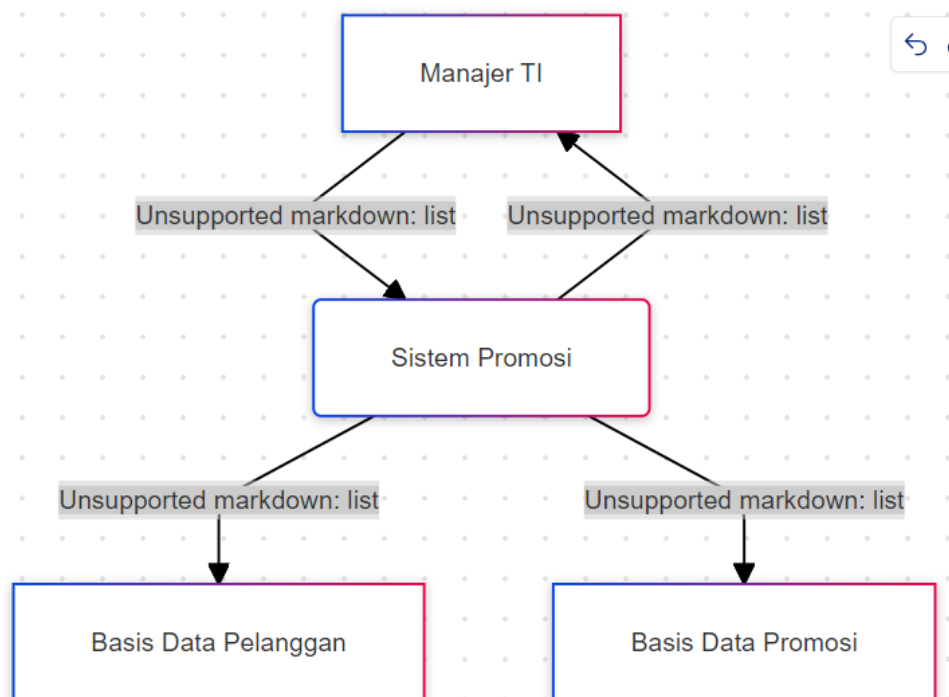Nama   : Revalina Zalyanti

NIM   12030123120033

Kelas   : C

Mata kuliah   : Analisis dan Desain Sistem

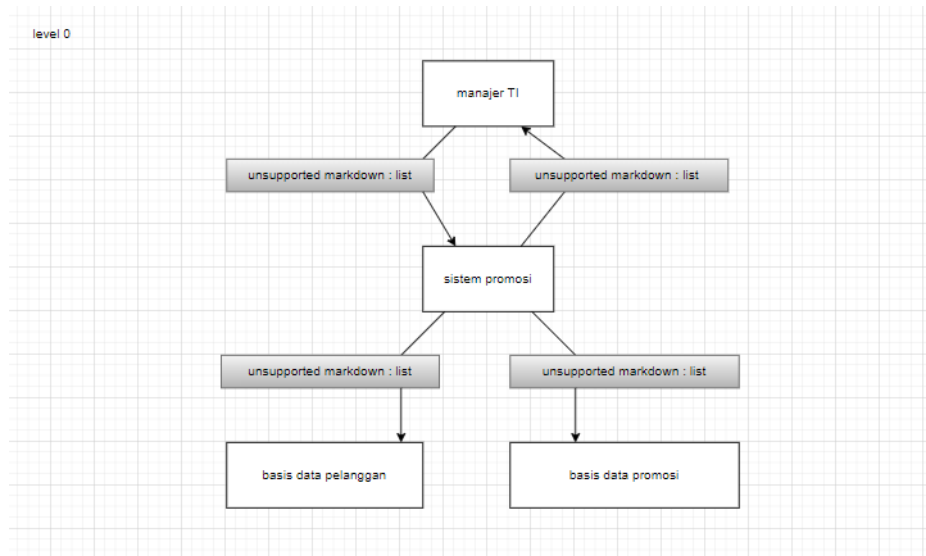Kasus   : case in point 5.3: rock solid outfitters (Part 2)

Kasus 5.3 : rock solid outfitters (Part 2)

Leah Jones, the IT manager at Rock Solid Outfitters, thinks you did a good job on the decision table task she assigned to you. Now she wants you to use the same data to develop a decision tree that will show all the possibilities for the web-based promotion described in Part 1 of the case. She also wants you to discuss the pros and cons of decision tables versus decision trees
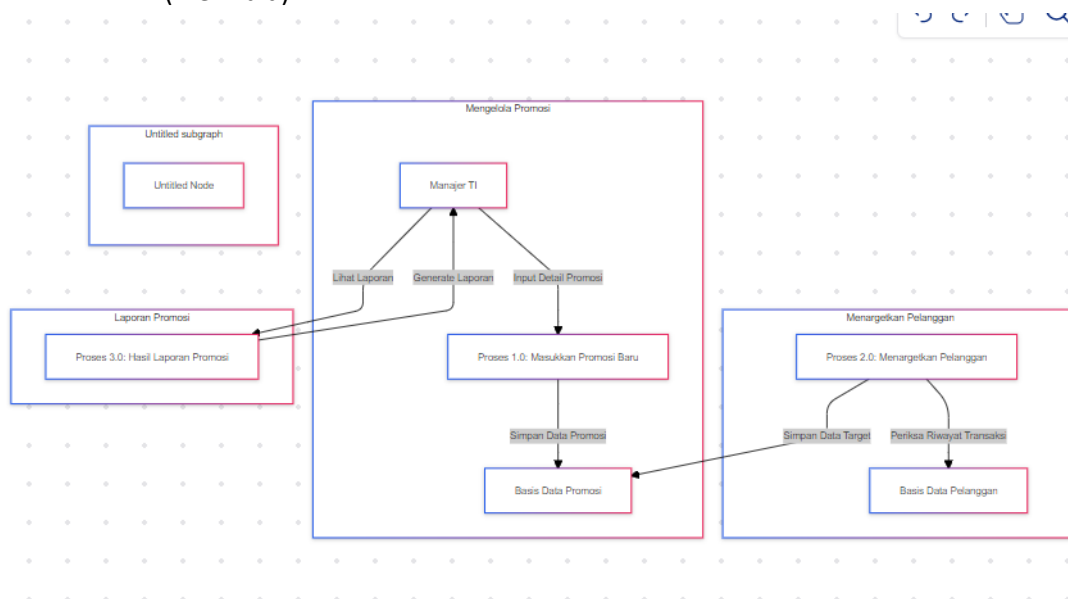
1. DFD
   a. DFD level 0
      (mermaid)
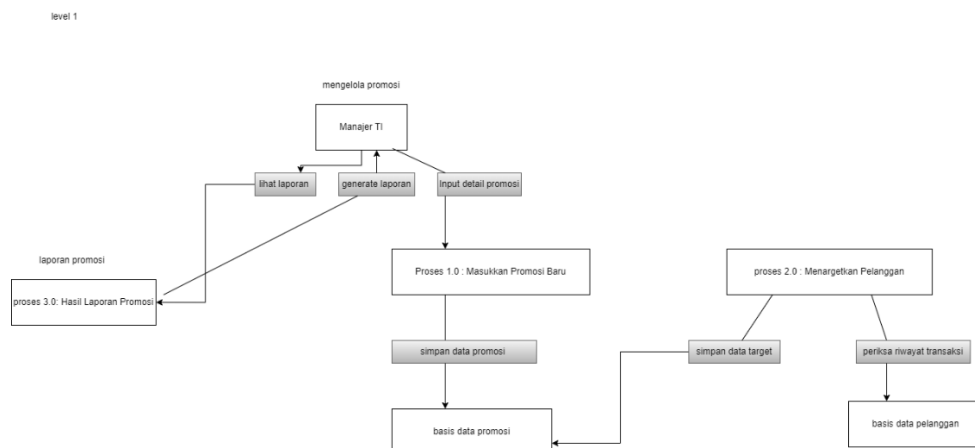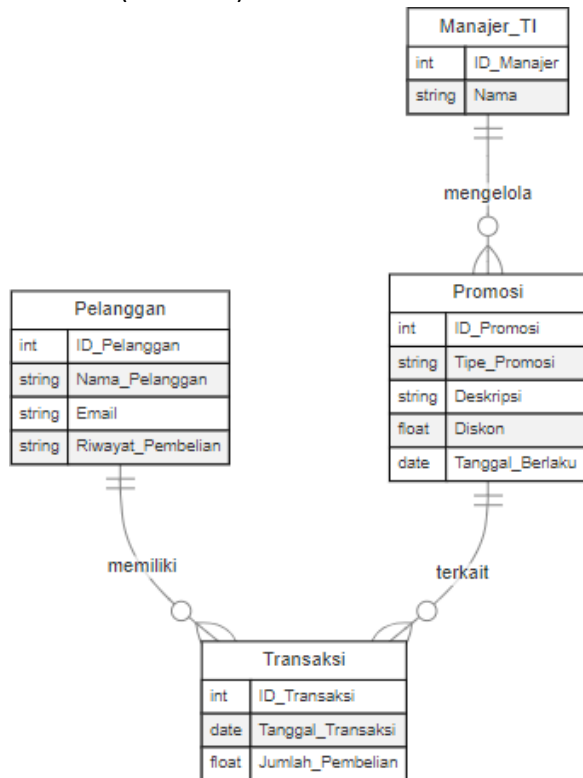
(draw.io)

level 0

```
                        manajer TI

    unsupported markdown : list        unsupported markdown : list

                        sistem promosi

    unsupported markdown : list        unsupported markdown : list

    basis data pelanggan               basis data promosi
```

b. DFD level 1
(mermaid)

```
  Untitled subgraph                   Mengelola Promosi

    Untitled Node                          Manajer TI

                            Lihat Laporan   Generate Laporan   Input Detail Promosi

  Laporan Promosi                                                              Menargetkan Pelanggan

    Proses 3.0: Hasil Laporan Promosi         Proses 1.0: Masukkan Promosi Baru    Proses 2.0: Menargetkan Pelanggan

                                              Simpan Data Promosi          Simpan Data Target   Periksa Riwayat Transaksi

                                              Basis Data Promosi                 Basis Data Pelanggan
```

(draw.io)

level 1

```
                        mengelola promosi

                            Manajer Ti

        lihat laporan   generate laporan   Input detail promosi

  laporan promosi

    proses 3.0: Hasil Laporan Promosi    Proses 1.0 : Masukkan Promosi Baru     proses 2.0 : Menargetkan Pelanggan

                                          simpan data promosi        simpan data target     periksa riwayat transaksi

                                          basis data promosi                    basis data pelanggan
```

2. Entity Relationship Diagram (ERD)
    (mermaid)

Manajer_TI

int	ID_Manajer
string	Nama

mengelola

Pelanggan

int	ID_Pelanggan
string	Nama_Pelanggan
string	Email
string	Riwayat_Pembelian

Promosi

int	ID_Promosi
string	Tipe_Promosi
string	Deskripsi
float	Diskon
date	Tanggal_Berlaku

memiliki

terkait

Transaksi

int	ID_Transaksi
date	Tanggal_Transaksi
float	Jumlah_Pembelian

(draw.io)

manajer_TI

ID_manajer

nama

mengelola

promosi

ID_promosi

Tipe_promosi

deskripsi

diskon

tanggal_berlaku

pelanggan

ID_pelanggan

nama_pelanggan

email

riwayat_pembelian

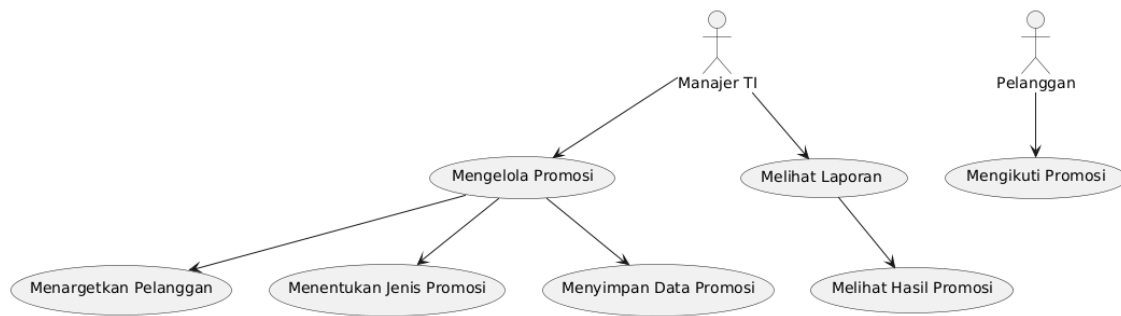**transaksi**

ID_transaksi

tanggal_transaksi

jumlah_pembelian
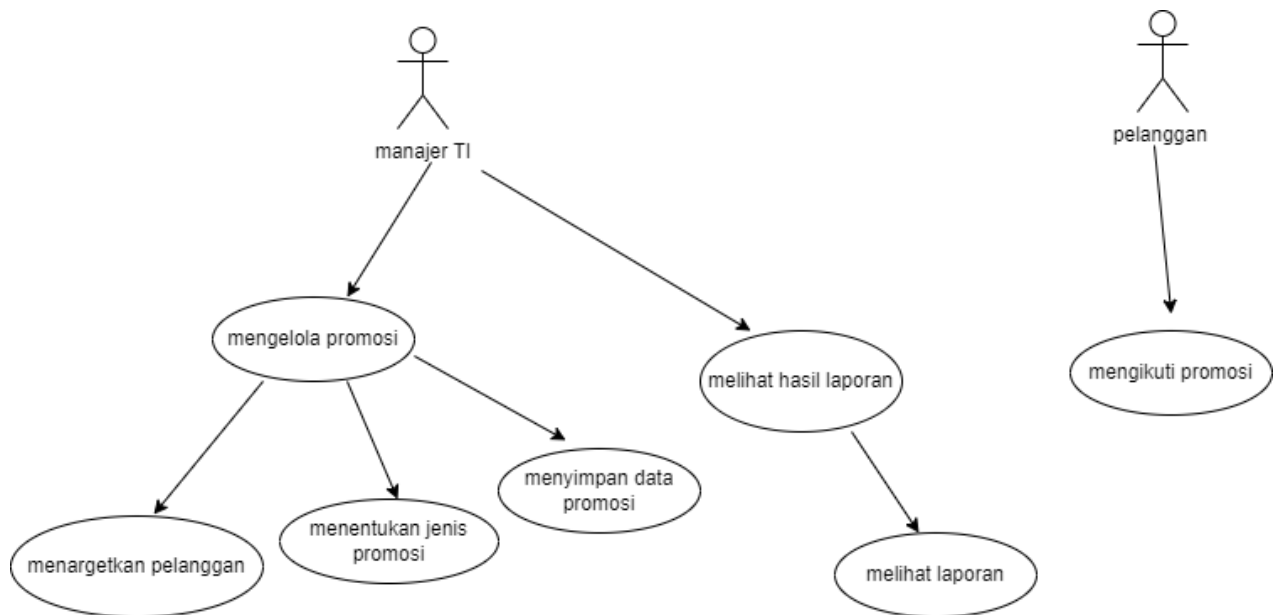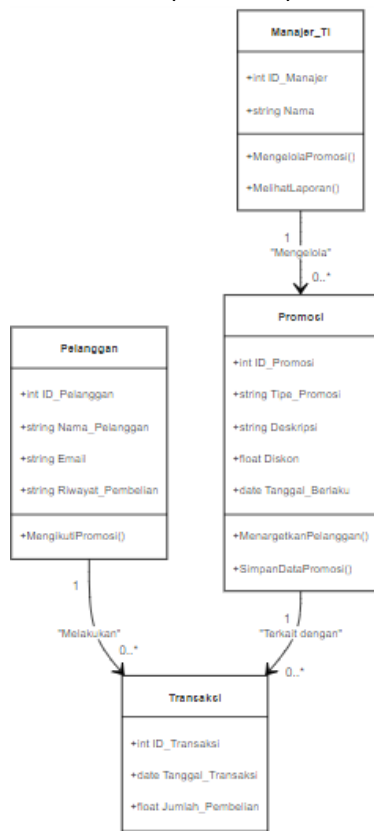
terkait

memiliki

3. UML
   a. Use case diagram
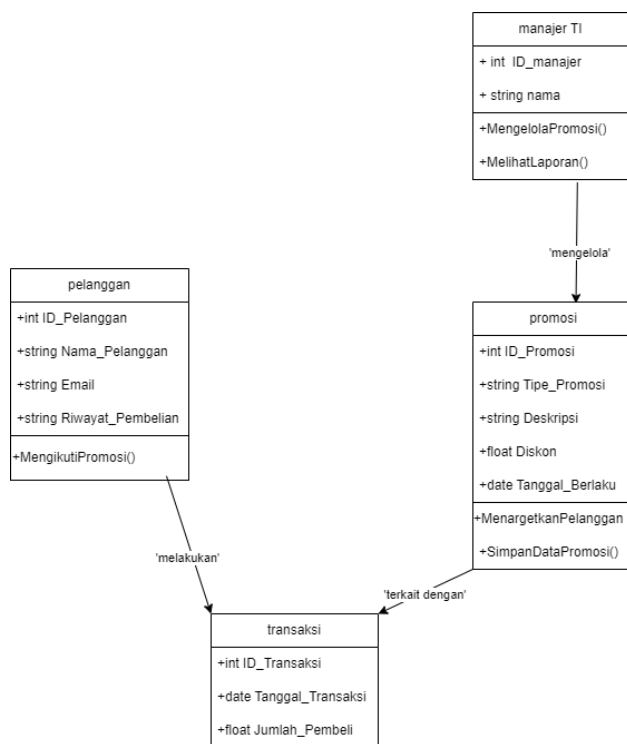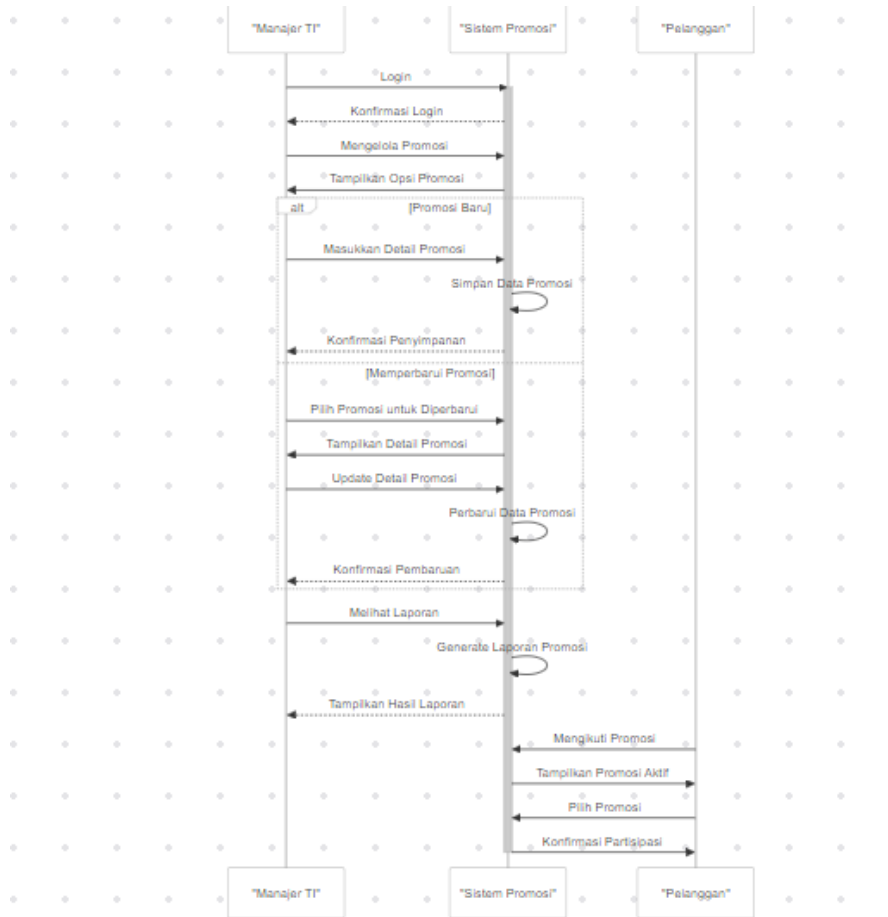   (plantUML)

(draw.io)

b. Class diagram
(mermaid)

(draw.io)

c. Sequence diagram
   (mermaid)

(draw.io)

"manejer TI"   "sistem promosi"   "pelanggan"

login

konfirmasi login

mengelola promosi

tampilkan opsi promosi

[Promosi Baru]

masukkan detai promosi

Konfirmasi penyimpanan

[memperbaharui promosi]

pilih promosi untuk diperbaharui

Tampilkan detail promosi

update detail promosi

konfirnasi pembaruan

melihat laporan

Tampilkan hasil laporan

mengikuti promosi

tampilkan promosi aktif

pilih promosi

konfirmasi partisipasi

"manejer TI"   "sistem promosi"   "pelanggan"