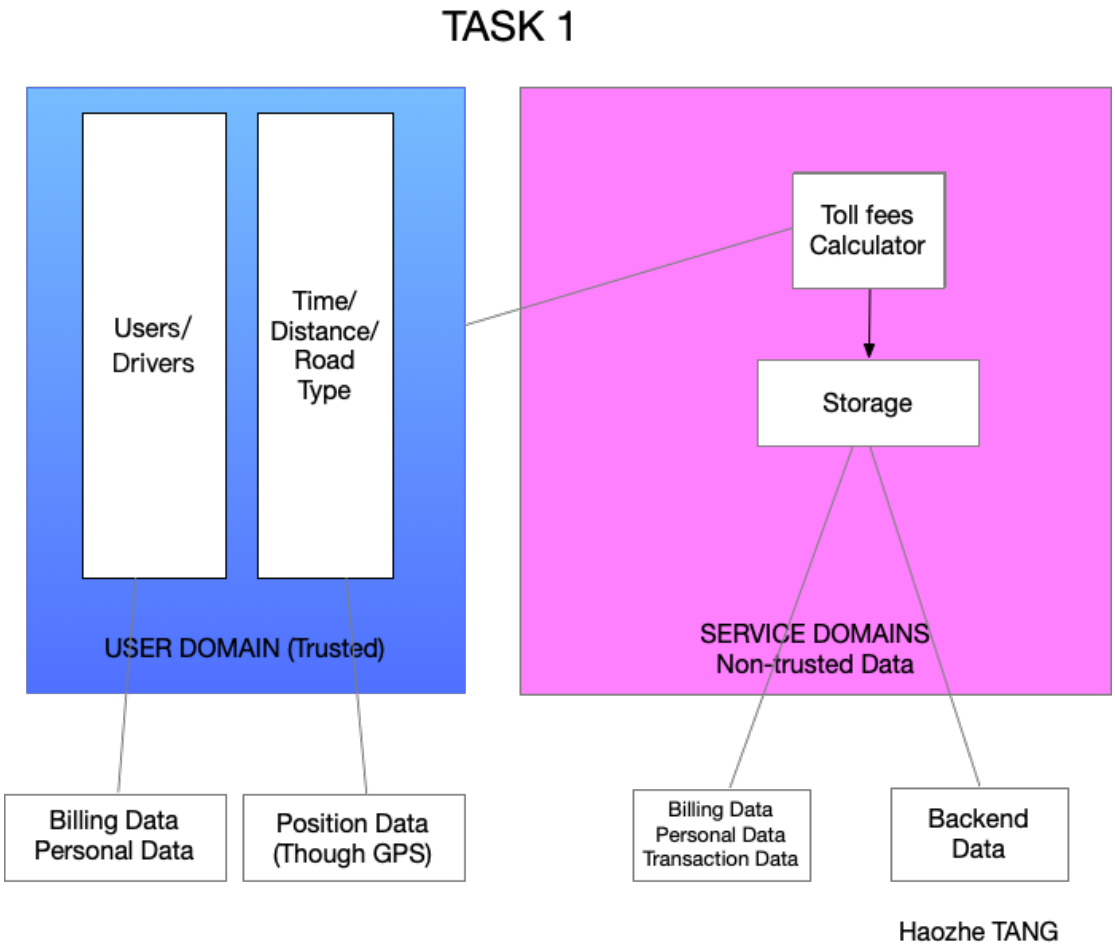
Case Study 2
European Electronic Toll Service (EETS)

Task 1



Task 2

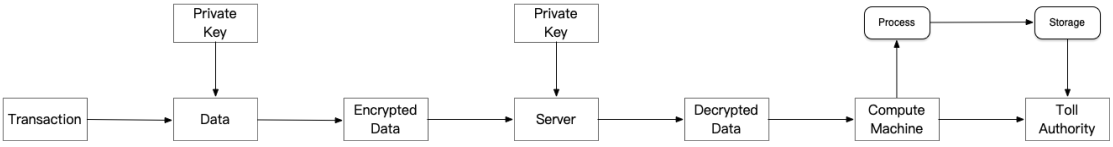
Necessary Data for Providing the Service

1. GPS data (The location of driver or the condition of the road)
2. Transaction logs (Return the places drivers have been to or passed)
3. Billing data (Coming from the computation forwards)

4. Drivers' personal data (From registration information)

Task3

1.



2.Risk analysis

a) Information Leak:
    1) Data leaking during the transmission; (Drivers' location, personal information)
    2) Data leaking through storage.
b) Wrong Computation;
c) Service Compromises;
d) Problems on Transaction;
e) Data sharing…

Task 4

Select Technological Solutions:

1. Encrypt location data before transmission (using advanced privacy protocols); ->a
2. Enabling computation without actually having access to data. ->a

3. Make sure the algorithm of toll authority machine and maintain it when troubles occur. ->b
4. Having the backend solution to face the emergency ->c
5. Keep doing scrutiny periodic to avoid missing records. ->d
6. Reducing the copy of data and also musk the data before sending data to other company. ->e