**Developing a blockchain case**

1. Pharmacies have an issue of dead-stock. Cause of generic-medicines, they need to keep many kinds of medicines. But there is no secondarily market for medicines, so some of them get dead-stock.

2. BC/DL is suitable for transactions of medicines. Because immutability and transparency of BC/DL guarantee the medicine is trustworthy.

3. b) Private permissionless DL.

**Value proposition**

1. Operational Excellence: Pharmacies can easily trace where dead-stock medicine comes from and transact it through cryptocurrency.

2. in the classical system, there is no way to check whether the information of medicines is true or not. And the transaction process is more complicated.

**Defining a business case**

1. 

2. the information of dead stock medicines (type, amount, expiry date, price, manufacturer, etc)

3. The buyer needs to pay money for checking detailed information about the medicines.

4. Because the data is stored in DL, it is immutability and transparency. Buyers are easy to trace the medicine information.

**Need for a token**

1. Payment tokens. In order to pay for dead-stock medicines on DL.

**Trust**

1. Because of its immutability and transparency, it is sufficient to be trusted in. We trust in the system itself.

2. The trust of validators.

**Data quality**

1. The quality of input data is a challenge of the system, which is caused by out of blockchain/DLT. In case we can expand the system including medicine manufactures, use IoT technology, and perfectly trace medicines supply chain, it can be solved.