Your role in the network is:

**Endorsing Peer**

**As an endorsing peer you have multiple tasks:**

- Check the validity of transactions

- Add new blocks to your ledger

- Handle incoming queries

*Simulating transactions*

When you get a transaction from the SDK your task is to simulate a transaction using the rules in the chaincode. If the transaction is valid you put your signature on it and pass it back to the SDK. If it's invalid you mark it with a cross and send it back to the SDK.

*Add new blocks*

When you get a new block from the endorser you can put it on top of your other blocks. The current light color is now the one that's written on the latest block.

*Handle incoming queries*

When you get a query from the SDK, your task is to write down the current color in your ledger on the card and pass it back to the SDK.

**Chaincode rules**

- Light can only be green, orange or red

- Light can only go from green -> orange -> red -> green

- Light can NOT go from red to orange, green to red or orange to green!