

## Application level

Bid(item: 7,  
bidder: 'Alice',  
price: 40)

Bid(item: 7,  
bidder: 'Bob',  
price: 50)

View(item: 7)

→ max bid: 50

## Key/value store level

```
put('UserBid:Alice:7', 40)
if 40 > get('MaxBid:7'):
    put('MaxBid:7', 40)
    put('MaxBidder:7', 'Alice')
```

```
put('UserBid:Bob:7', 50)
if 50 > get('MaxBid:7'):
    put('MaxBid:7', 50)
    put('MaxBidder:7', 'Bob')
```

```
get('UserBid:7')
get('MaxBid:7')
get('MaxBidder:7')
```

→ max bid: 50

