

1) Transactional Isolation states

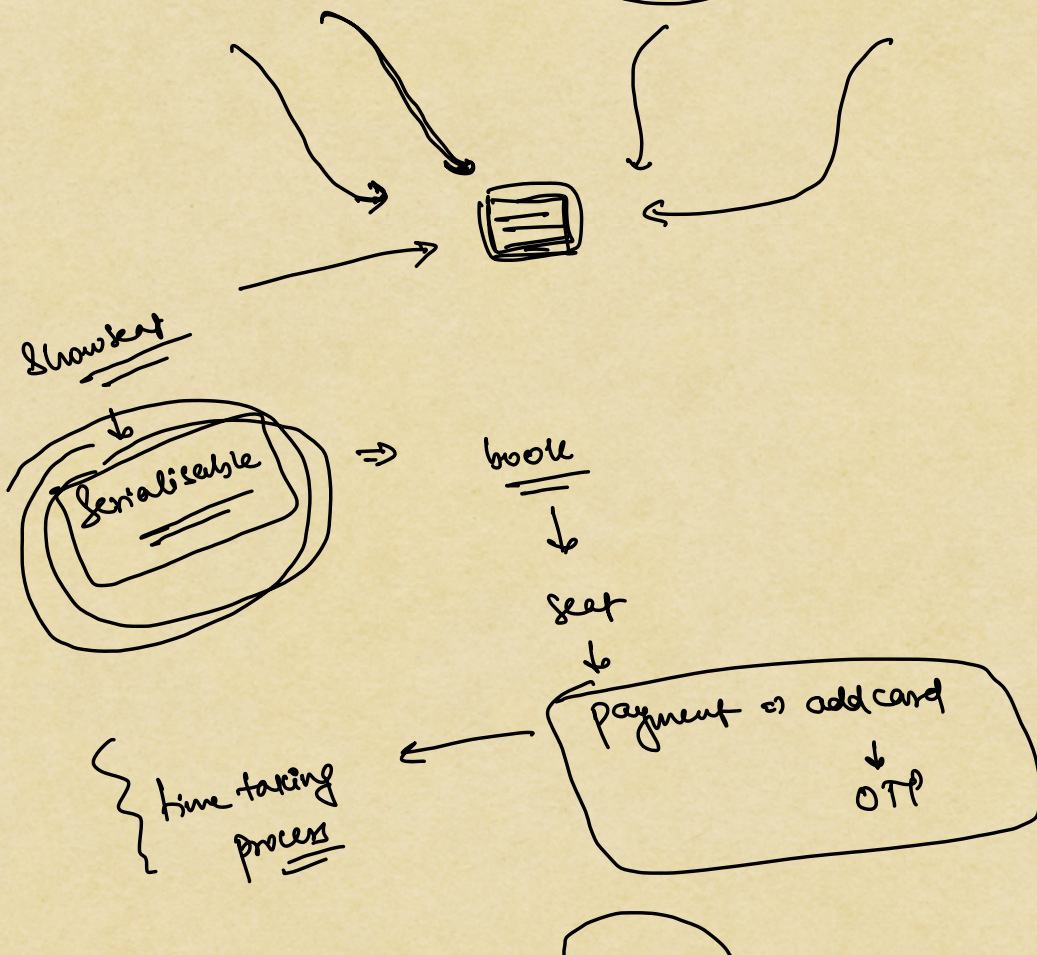
⇒ Read Uncommitted

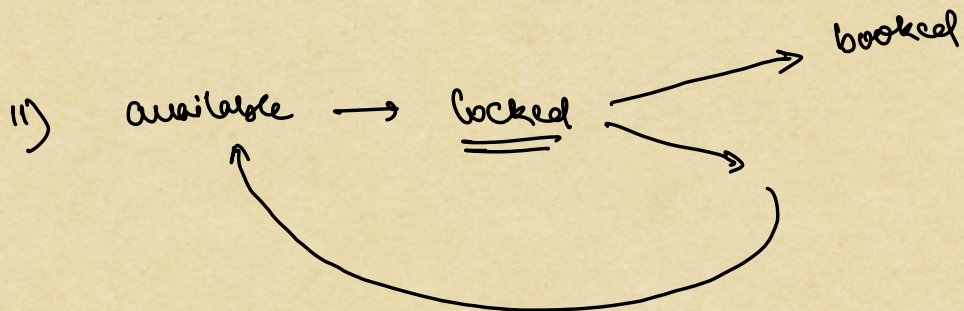
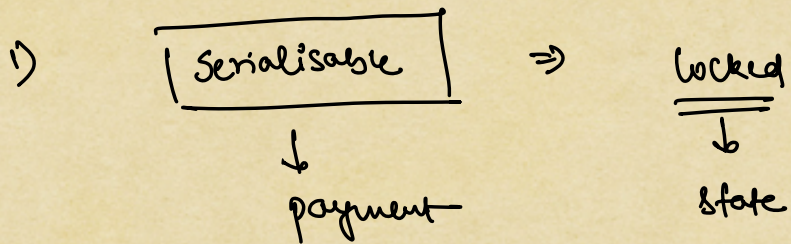
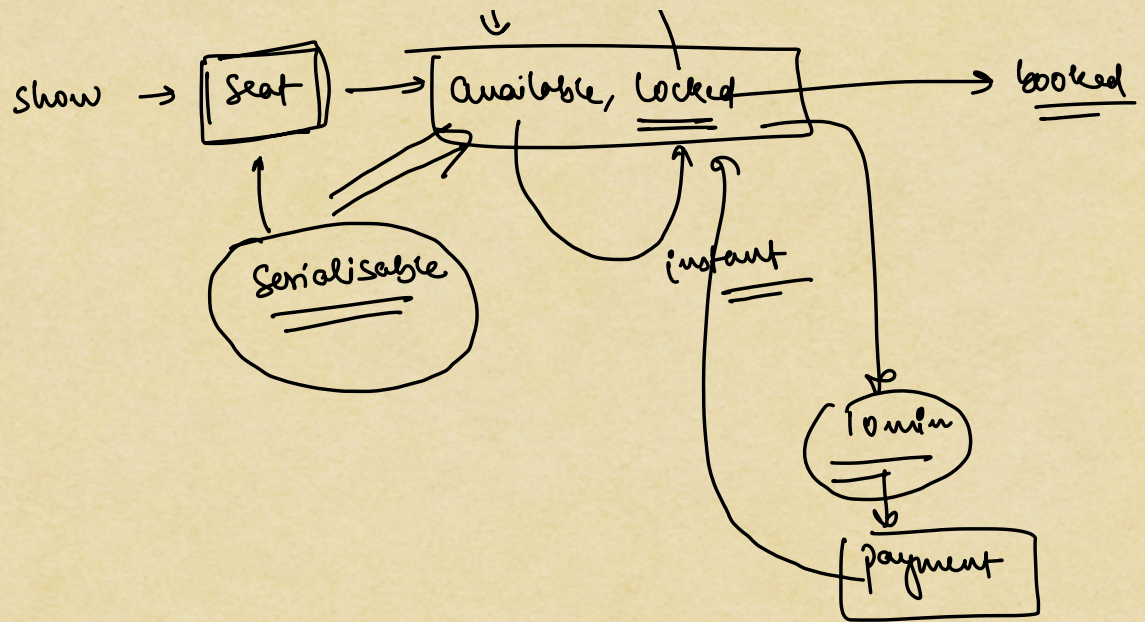
⇒ Read Committed

⇒ Read Repeatable

⇒ Serializable

Show Seats ⇒ available, locked, booked





⇒ SERIALIZABLE

transaction

U1

ShowSeat

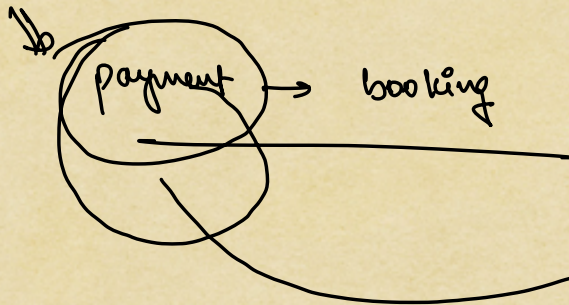
| id | showid | status |
|----|--------|--------------|
| 1 | 1 | A |
| 2 | 1 | A |
| 3 | 1 | A |
| 4 | 1 | A |

U2

Locked

Booked

⇒ Serialisable



ShowSeat

| id | showid | ShowSeat Status |
|----|--------|-----------------|
| 1 | 1 | A |
| 2 | 1 | B |
| 3 | 1 | A L |
| 4 | 1 | A L |
| 5 | 2 | B |
| 6 | 2 | B |

\Rightarrow showId = 1

[Select a from showSeat where showId = 1
and showSeatStatus = A]

↓
①, ~~3, 4~~

book(3, 4)
↓

transaction [if (status of 324 == A)
↓
set showSeatStatus = L]

payment