



Show_Scat.

AVAILABLE |
BOOKED |
BLOCKED.

	id	Show-id	sead-id	8-tadus.	
_	1			AUAILABLE	
/	2			AUAILABLE	
	3			AUAILABUE	
	ı				
	ľ				
	١				
			1	1	

-> Isolation Level: Serializable.

Approach #1:

- 1) Take a lock on all the rows that use is trying to book.
- 2) Check the status if seats are Available
- 3) Payment. Page Yay
 Go back. 7-8 mins
- 4) Pelease the Lock.

> Lock was there for the duration entire transaction.

Approach #2

=> Introduce a new 8how seat 8tatus as BLOCKED, and use this Instead of DB lock.

=> We'll not keep the transaction running till the end of payment

AUAILABLE |

				BOOKED! BLOCKED.		
(VI)	id	Show-id	sead-id	8-tadus.		
(D) -	134			AVALABLE	LOCKED.	
	2			AUAILABLE		
	3			AUDILABLE		
	1					
	'					
	١	1				

=> Unly one wer should be allowed to acquire a lock.

1) Check the Seat Status. If the Status is AVAILABLE
2) Take a lock over the seat id's. Ly Only 1 transaction will be able to acquire the lock.
3) DOUBLE CHECK LOCKING. Check the Status again if it is ADAILABLE
4) Change the Status to be BLOCKED.
(3) felease the Lock
Blocked -> BOOKED. Go back. >> BLOCKED -> AVAILABLE
Available Available Available
> To acquires the lock. T2 > 80 medling le > Again checke the statue. > Changes the Status to BLOCKED.

> TI releases the lock.

> Go the Rayment Perge. (TI)

| Shings |
| Go back (Wait)

> BLOCED > BOOKED. > BLOCED > AVAILABLE.