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RIDER
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- -> When rider arrives it calls book_cab() function.
- -> The rider provide cab type, max wait time, ride time as argument to book_cab() function.
- -> In book cab function we check if any cab of suitable type is available

- -> Checking for cab continues until suitable cab is available, if cab is not avilable until w_time the rider terminates and exits the program.
- ->if cab is avilable before w time, than the ride is started.
- ->After completing the ride the cab is returned to its previous state and the book cab() function returns.
- ->After returning the rider enters make_payment() function.
- -> The rider tells the server that his ride is completed and waits until the payment is completed by server

```
pthread_mutex_lock(&mutex2);
lit[ind-1][0]=1;
pthread_mutex_unlock(&mutex2);
while(lit[ind-1][1]==0);
```

->After payment is completed it returns from function make_payment() and the rider thread terminates.

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SERVER

-> When a server thread is created it starts checking for rider who have completed their ride and their payment is not initiatedd.

- -> When the server finds a rider it intiates the payment.
- -> When the payment is completed it changes the status of rider's payment by this the rider knows that his payment is now completed.

->After payment it starts searching for rider agin.

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