

### Find Ride Algorithm:

```
function getBestMatchingRides(request):
    Result = []
    tripStartTime = request.startTime + 2Hrs
    tripEndTime = request.endTime - 2Hrs
    tripStatus = "ACTIVE"
    allAvailableTrip = getTripFromDBWithTimeBetween(tripStartTime, tripEndTime, tripStatus)
    for trip in allAvailableTrip:
        if trip.availableSeats < request.requestedSeats:
            continue
        EndIf
        if getWalkingDistanceBetween(trip.pickupPoint, request.pickupPoint) > 1200m:
            continue
        EndIf
        farFromRouteDst = getDstBtwPolyline&LatLng(trip.pickup, trip.destination, trip.wayPoints, request.destination)
        if farFromRouteDst > 10Km:
            continue
        EndIf
        trip.add(farFromRouteDst)
        result.add(trip)
    EndFor
    return sort(result, key=farFromRouteDst)
```