```
private readonly IDataStore _dataStore;
private readonly IDistanceCalculator _distanceCalculator;
public ItineraryManager()
    _dataStore = new SqlAgentStore(ConfigurationManager.ConnectionStrings["SqlDbConnection"].ConnectionString);
    _distanceCalculator = new GoogleMapsDistanceCalculator(ConfigurationManager.AppSettings["GoogleMapsApiKey"]);
 /// <param name="itineraryId">The identifier of the itinerary</param>
 /// <param name="priceProviders">A collection of airline price providers.
 public IEnumerable<Quote> CalculateAirlinePrices(int itineraryId, IEnumerable<IAirlinePriceProvider> priceProviders)
    var itinerary = _dataStore.GetItinaryAsync(itineraryId).Result;
   if (itinerary == null)
   List<Quote> results = new List<Quote>();
    Parallel.ForEach(priceProviders, provider =>
        var quotes = provider.GetQuotes(itinerary.TicketClass, itinerary.Waypoints);
           results.Add(quote);
 /// <param name="itineraryId">The identifier of the itinerary</param>
 public async Task<double> CalculateTotalTravelDistanceAsync(int itineraryId)
    var itinerary = await _dataStore.GetItinaryAsync(itineraryId);
    if (itinerary == null)
    for (int i = 0; i < itinerary.Waypoints.Count - 1; i++)</pre>
        result = result + _distanceCalculator.GetDistanceAsync(itinerary.Waypoints[i],
            itinerary.Waypoints[i + 1]).Result;
 /// <param name="id">The id of the travel agent.</param>
 /// <param name="updatedPhoneNumber">If set updates the agents phone number.</param>
public TravelAgent FindAgent(int id, string updatedPhoneNumber)
    var agentDao = _dataStore.GetAgent(id);
    if (agentDao == null)
    if (!string.IsNullOrWhiteSpace(updatedPhoneNumber))
        agentDao.PhoneNumber = updatedPhoneNumber
        _dataStore.UpdateAgent(id, agentDao);
     return Mapper.Map<TravelAgent>(agentDao);
```

## Issues found:

- Line 17 and 18, \_dataSore and \_distanceCaculator could be injected in constructor.
- Line 27, the method should be a "Async Task<|Enumerable<Quote>>" method
- Line 29 and 56, should insert "await" before "="
- Line 31 and 52, should throw a "NullReferentceException"
- Line 70, change the "agentDao" to "agentDto";
- Line 68, the method FindAgent should divided into two methods, which are FindAgent and UpdateAgent
- Line 34, "Parallel..." could lead to thread safety issues, just use "ForeEach..."
- Line 57, (...).Result could not get the expected value, should cast to the type of the return value of GetDistanceAsync