Entity Framework 6 – Home task

Use the database from previous module.

1. Implement RESTful WebAPI controller for Cargo resource. Use the plural naming convention in resource naming conventions (/Cargos)
2. Implement four operations: Insert (POST), Update (PUT), Delete (DELETE) and Read (GET) using repository and unit of work patterns.
3. Enable the change tracking for entity.
4. Create the console client to your service which perform 1,000,000 Inserts, then updates, than gets and then delete operation. Use your local SQL database.
5. Create the Excel file EF6\_ChangeTracking\_Perf.xlsx and put the total time for each of four operations there.
6. Disable the change tracking for entity.
7. Repeat your test from the item #5 and add results to the file from item #5.
8. Create a chart which compares the time for each of four operation when change tracking enabled and not.
9. Add the resulted excel file with a chart into the source control (hw3 folder)