

# Introduction to .NET – lab no. 7

Way of working: 4 persons.

Summary:

Keywords: DbContext, EF Core, Repository pattern, Migrations, Loading patterns, API Designing

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## Requirements

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Based on the previous exercises expose an Web API (keeping in mind how should parent-child management for resources be handled) for the following resources: City↔Poi.

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## Note:

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1. For Data Layer and Business all the team members should work together – 30 min.
2. For the API Layer (also called Service Layer) the team (4 members) should be divided in 2 teams: one is working for parent resource (City) controller and one for child. resource(Poi) – 30 min.
3. Integration in the end is mandatory – 10 min.
4. The team will make use of Github during the development.
5. To test the application the team will make use of Postman.
6. The validations should be done at the service layer (using annotations like we used for MVC) and at the Data Layer using Fluent API.
7. All exercises are mandatory.
8. Encapsulation is mandatory.
9. You will receive your points at the end of the lab.
10. Working time: 70 minutes.