Introduction to .NET – lab no. 7

Way of working: 4 persons.

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Requirements
Based on the previous experiences expose an Web API (keeping in mind how sh parent-child management for resources be handled) for the following resources ShoppingCart⇔Products.

- ShoppingCart: Id, Date, Description, Total (Total is a computed field and should not be mapped and saved to database (represents the sum of all products prices) – use [NotMapped] annotation)
- Products Id, Name, Price, Pieces, Total (Total is a computed field and should not be mapped and saved to database(represents price x pierces).

Note:			

- 1. For Data Layer and Business Layer 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 should be working for parent resource (ShoppingCart) controller and one for child. resource(Product) 30 min.
- 3. In the end, the integration between teams 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.