

YOOX NET-A-PORTER Group - Technical Test

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FROM: YOOX NET-A-PORTER GROUP

SUBJECT: Technical Test – Back-End Developer (Robot Wars)

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Solution details

Used framework and programming language:

- Framework .NET 4.5
- C#

Used tools:

- VS2013 for development
- Github for code repository (url of provided solution: <https://github.com/MaksymRybak/RobotWars>)
- Git extension as client for Git

Used external dll/packages:

- LightInject – for IoC
- Moq and Castle – for mocking objects in unit tests
- NUnit – for unit testing
- SharpTestsEx – for write short assertions in unit tests

Solution contains 4 projects:

- RobotWars – main console application, contains logic used to bootstrap application (DTOs, mappers, bootstrap classes)
- RobotWars.Core – contains core modules as business objects (models), factories to instantiate models, enums, system wrappers.
- RobotWars.Core.Tests – contains tests relative to project RobotWars.Core
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As possible enhancement can be:

- Add logging using for example log4net
- Improve error management (using custom exceptions)
- Improve reading and parsing of input data