Dear candidate,

Thanks for joining our selection process for the Senior Developer position with our agile teams!  Please read carefully the instructions below on how to submit the solution to the proposed problem. We are looking forward to receiving your code solution!

**How to submit your solution**

After receiving this message, you have exact 24 hours to reply us with your solution. Failing this deadline implies withdrawing the selection process.

Reply the same person who has contacted you, sending a link where we can download a .zip file containing:

1. the entire solution (including .sql scripts) and
2. brief "HOW TO" explaining how to run the code.

**The problem**

After many sessions with our client, it was decided to develop a Product store as a Web application with the following key attributes:

* Product Name
* Product Image
* Product Category
* Price
* Product Rating (1 to 5 stars)

The application has the following user roles:

1. End User:

* Browse through the products and rate them.
* Browse through the products and sort the products by price or best rating with in the product category.

1. Administrators:

* Only Admins can create/update/delete products from the catalogue.

Create a solution with n-tier architecture, use this technology stack:

* .NET MVC for creating Views and Rest API service.
* Use MS SQL server for database.
* Use EF with code first approach for data access.
* Demonstrate with a few unit and integration tests that the architecture supports testability.
* Optional: ReactJS or Angular 2+ for rendering UI.