Test Task for WEB./Backend/.NET Developer Candidate

**Assignment 1. Data structures**

- Create a relational database model on "Selling railroad tickets";

- The level of detail - you decide;

- It's desirable to use MSSQL Server;

- The result of the task can be a dump of the created database (\*.bak file), \*.dacpac schema description or SQL script that creates the database.

**Assignment 2. .Net application**

• Write a "proxy" that will return the modified text of reddit.com (or any other site of your choice);

• To each word, which consists of six letters, you must add a symbol "™";

• You can use any .Net technology and libraries in the C# language;

• The functionality of the original site must not be altered;

• All internal navigation links of the site must be replaced by the address of the proxy-server.

That is, site navigation must be handled by a Proxy without taking the client back to the original site.

Example. A request to, say, {proxy address}/r/popular/ should show the content of the page

https://www.reddit.com/r/popular/ with changed words that were 6 characters long.

And all the site navigation to sections of the site should go through Proxy.

Hint: There is no SLOC limit for your solution. But, if your proxy solution contains more than 300 SLOC, then probably you do something wrong.

Publishing the test task

The project must be published in a private repository on github.com or bitbucket.org.