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# Full Stack Engineer (.NET/Angular) coding tes

* **Duplicate username and account id check**

This is a C# dotnet core 6 assignment. We want to make sure our user has the unique username and account id combination in the game world. So, we are going to create a microservice for checking the username is exist in our database or not. Meanwhile, this microservice able to store the username along with the account id. If the account would like to change the username, please erase the previous one and store the new one. We have more than 1M users, so we hope this is a robust microservice. The assignment specification is shown as below:

1. The user account id is “System.Guid”. Same user will always have the same Guid.
2. The username will be in “System.string” format, within 6 ~ 30 characters, and accept alphanumeric only.
3. The username must be unique.
4. one account id with one username. NO DUPLICATE
5. A rest API with GET and POST method.
   1. GET – validate the username is meet the requirement or not.
   2. POST – store the username and the account id IFF the username is valid.
6. A database for storing the username and account id, and anything useful.

Commit everything to the Github or Gitlab, expose the repository as public so we can clone it. Please make sure we can build and run the C# solutions with Visual Studio 2022 and provide a simple and clear document in the git mark down.