TodoApi MatReview

token based authentication

<https://stackoverflow.com/questions/1592534/what-is-token-based-authentication>

The general concept behind a token-based authentication system is simple. Allow users to enter their username and password in order to obtain a token which allows them to fetch a specific resource - without using their username and password. Once their token has been obtained, the user can offer the token - which offers access to a specific resource for a time period - to the remote site.

In other words: add one level of indirection for authentication -- instead of having to authenticate with username and password for each protected resource, the user authenticates that way once (within a session of limited duration), obtains a time-limited token in return, and uses that token for further authentication during the session.

Advantages are many -- e.g., the user could pass the token, once they've obtained it, on to some other automated system which they're willing to trust for a limited time and a limited set of resources, but would not be willing to trust with their username and password (i.e., with every resource they're allowed to access, forevermore or at least until they change their password).

 configured test environment

<https://spring.io/blog/2011/06/21/spring-3-1-m2-testing-with-configuration-classes-and-profiles>

JWT

<https://en.wikipedia.org/wiki/JSON_Web_Token>