BACKEND ASSIGNMENT

Create a spring boot app using Springboot starter https://start.spring.io/

Create following two APIs in springboot app use springboot inbuilt **security mechanism for authentication**. Use i**n-memory database H2**

1. Get API: "/collect/offer"
   It should give the following response in the JSON as well as XML format
   JSON Response

2. Post API: "/collect/offer"
   Similarly accept the payload in the post api having following things:
   {Offer: {name, validFrom, validTill, location}}
   On success of API produce json response like API got success like below
   {"success": "true"}
   While creating offer fetch random images from:
   https://jsonplaceholder.typicode.com/photos ->
   ("url": https://via.placeholder.com/600/92c952)

   So, the offer stored in the DB will look like having following row.

Id (unique)	name	validFrom	validTill	Location	Images

The API must use the following concept:

- o   Controller
- o   Component
- o   Service
- o   DTO
- o   Exception handling
- o   JPA Repository (include the case of filter and pagination also)
- o   Relationship between table
- o   Unit test cases using Mockito
- o   POST API test cases also need to store the value in the DB and verify it with DB
- o   Swagger

Push you code into your personal GitHub repo and share the link once done.

Best of luck - **Happy coding!**