

Synchrony Project

Create a Spring Boot REST app that exposes endpoints to

- Register a User with basic information, username, and password
- Upload, view and delete images after authorizing the username/password.
- Associate the updated list of images with the user profile
- View the User Basic Information and the Images

Leverage the Imgur API i.e. the Spring Boot APP should integrate with Imgur API to upload, view and delete the images

<https://apidocs.imgur.com/>

App Requirements

- Should use H2 (In-memory database) and JPA to store the user information with user name and password, retrieve the user name and password to authenticate the user
- Integrate with imgur's API to upload, view and delete images. No need to worry about albums or galleries
- Create only 1 account at Imgur for the app to integrate.
- No UI should be built. The requirements should be implemented using the REST API's.

Other Notes

- Use GitHub or Bitbucket for your project.
- Good coding practices (logging, comments, test cases, domain driven design, 3-layer architecture – Controller, Service, Repository) are encouraged
- Use of 3rd party libraries are acceptable
- Any additional compile steps needed, should to be documented in a README.md

Bonus Points

- Secure API via OAuth2
- Optimize API for 100K RPM
- Establish CI/CD Pipeline (feel free to use open-source tools)
- Create a messaging event that publishes the username and the image name to a Messaging Platform (Ex: Kafka) & feel free to connect with a local or cloud instance of the Messaging Platform