

## # Test for Java Developer

As a software engineer, I would like to implement a backend API to register a user, it can also edit/read/(soft) delete single or multiple user(s)

### > Key requirements

1. The application should be written in spring-boot and in one single project (you can have multiple modules within one project though)
2. The application will be packaged via docker and can be built, packaged and run via docker in one single shell script. Please provide details of how to run your application in a readme file
3. Upon successful registration, send out a welcome email (you could use fake smtp server)
4. Proper validation, error handling and testing

### Additional Requirements

1. REST API documentation (Compulsory for senior position application)
2. Use of latest common design patterns, e.g microservices (Compulsory for senior position application)
3. Performance testing (Optional)
4. UI to register, edit, deactivate, show existing registered users and view all emails that were sent (Optional)