Technical Assessment

Junior DevOps

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Here are the steps that I followed to fulfill the technical assessment:

1. Install Docker for Windows following the instructions on their website (<https://docs.docker.com/desktop/install/windows-install/>)
2. Ran in the command prompt the command “docker run -d -p 30000:8080 yondermakers/yonder-devops-tech-assessment:latest” in order to bind the port 30000 from my laptop to the 8080 port of the Docker image, which is the default port for a Java-Spring Boot application. Also, the “run” command pulls the image locally, so an extra command of “docker pull …” was not needed.
3. Ran the “curl -X GET localhost:30000” to get the theoretical question.
4. Answered the questions in the “Questions” file of this repository.
5. Create a “src” folder where the implementation of the practical part will be. Being a Python OOP application, I opted for a layered architecture with a domain, which contains the DriverLicense class, a repository which has the DriverLicenseRepository, a service which has a DriverLicenseService and a presentation folder, which has a CommandLineInterface class which shows the interface. I also have a util folder with a Utils class for various cross cutting concerns like the exporting to Excel part.
6. In src/domain implemented the model for the DriverLicense
7. In src/repository implemented the DriverLicenseRepository where I fetch the data from the given API
8. In src/business the class DriverLicenseService is implemented which contains the different functionalities required
9. And in the src/presentation, the class CommandLineInterface handles all the user interactions and gives the appropriate responses.
10. The Utils class handles the exporting to Excel, by putting the newly created files in a reports folder, and after that in a folder with today’s date, so it’s easier to track down the reports you want.
11. Fix problems and test it until it works 😊