

SWE523 PROJECT STUDY 3 (2024)

Due date: 29 Nov 2024, class time.

In this project you will publish your project on a cloud either AWS, Azure or Google. In this project you are supposed to the following steps:

- After completing coding and testing of your project, obtain a jar file using Maven or Gradle build tool.
- For AWS users; create an EC2 instance with minimum settings.
- Transfer your jar file to the EC2 instance.
- Install proper Java jdk in the EC2.
- Install a similar DB server in the EC2, configure it if necessary and create required DB.
- Install Nginx and configure it so the external port 80 will be forwarded to local 8080.
- Start up your application.
- Show that your application is accessible from remote browser, and everything works properly.

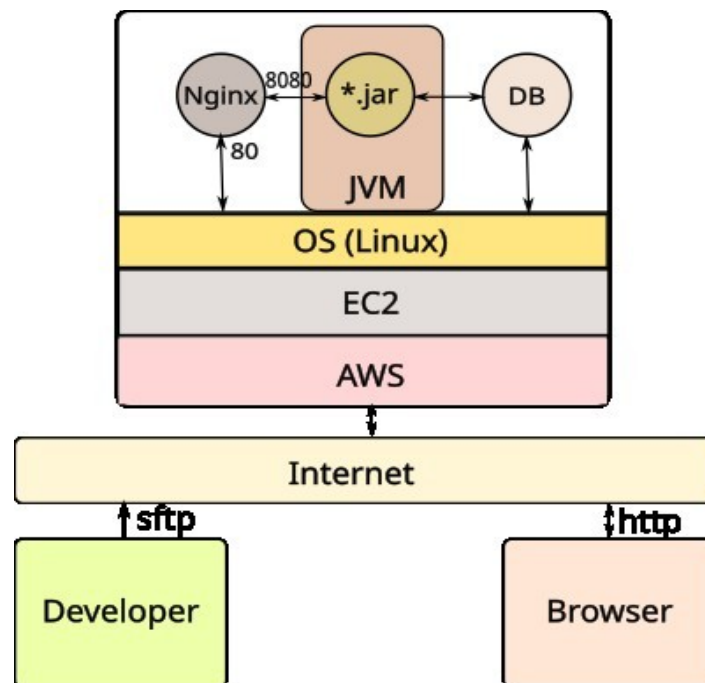


Figure 1. Required structure (layout) of the project.

Grading:

| No | Task | Grade |
|----|---|-------|
| 1 | Project jar file is created. | 10 |
| 2 | Cloud login and EC2 instance creation is OK. | 20 |
| 3 | Project transfer is done. | 20 |
| 4 | Required software is installed and configured properly on the cloud. | 20 |
| 5 | Project is published correctly. | 20 |
| 6 | Everything works as described with no error, exceptions handled properly. | 10 |

PS: Student must show up for presentation to collect points.