Final Project Overview

Estimated time needed: 4 minutes

Learning objectives

After completing this project, you will be able to:

- Clone a repository from Github
- Run Maven build
- Host a Spring Boot Java web application
- Write User Stories
- Containerize your web application
- Deploy your container on IBM Cloud
- Enhance your code
- Deploy changes on IBM Cloud

About the project

Welcome to the final project for this course. In this project, you will apply the knowledge and skills you learned in this course to a simulated scenario.

In this project, you are provided with code written in Java for **Dealer Evaluation** that lets you check and compare prices of products across dealers. It is based on `Spring Boot`, whereas `Maven` is used for running the Java build. You will be writing user stories to enhance the application and then working on those stories.

This final project includes 6 tasks and will take about 60 minutes to complete.

Task 1: Create application

Get the code from Git repository, build and run it successfully.

Task 2: Plan application modernization

Plan the needed improvements for your Dealer Evaluation application to modernize it and use a cloud environment to host it.

Task 3: Containerize the application

Modernize your application and containerize it using Docker, for taking advantage of portability, consistency, scalability, and faster deployment times.

Task 4: Deploy on IBM Cloud

Deploy the packaged application in Docker container to IBM Cloud.

Task 5: Read products and dealers from JSON

Enhance the code by removing the hard-coded inline product and dealer information.

Task 6: Deploy changes on IBM Cloud

Deploy the changes you made by repeating the running the build, creating the package and deploying on IBM Cloud.

To summarize:

- Read and follow the instructions carefully to complete the modernization of Dealer Evaluation successfully

Let's get started!

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