

BYN2 — BYN2 TASK 1: DEPLOYING A MODIFIED MULTITHREADED SPRING APPLICATION TO THE CLOUD

ADVANCED JAVA — D387

PRFA — BYN2

Task Overview

Submissions

Evaluation Report

EVALUATION REPORT — ATTEMPT 1 — PASSED

Overall Evaluator Comments

EVALUATOR COMMENTS

The repository is present. Skill is evident to containerize the Spring framework application. The hotel App successfully handles the currency rates in US, Canadian, and Euros. The welcome messages and all three time zones are displayed. The documentation explains a Cloud deployment approach using Azure. Well done.

A. GITLAB REPOSITORY

Competent The subgroup and project are created in GitLab correctly, and *all* of the given actions are completed correctly.

EVALUATOR COMMENTS: ATTEMPT 1

The repository is present on GitLab with the required naming conventions and the Commit messages are evident. The screenshot is present for the branch history.

B1a. LANGUAGE RESOURCE BUNDLES

Competent The Landon Hotel scheduling application includes resource bundles for *both* English and French, including a welcome message built into the language resource bundles. The code is complete and functions correctly.

EVALUATOR COMMENTS: ATTEMPT 1

Two properties files were created in the resources directory. The App has logic for the welcome message in English and French.

B1b. DISPLAY WELCOME MESSAGE

Competent The Landon Hotel scheduling application has the functionality to display a welcome message in *both* English and French by applying the resource bundles in the Java classes using a different thread for *each* language. The code is complete and functions correctly.

There are no comments for this aspect.

B2. DISPLAY CURRENCY RATES

Competent The Landon Hotel scheduling application has the functionality to display the price for a reservation in currency rates for U.S. dollars (\$), Canadian dollars (C\$), and euros (€) on different lines. The code is complete and functions correctly.

EVALUATOR COMMENTS: ATTEMPT 1

All three currency formats are displayed for the room rate.

B3a. TIME ZONE CONVERSION METHOD

Competent The Java method correctly converts the time between eastern time, mountain time, and coordinated universal time zones. The code is complete and functions correctly.

EVALUATOR COMMENTS: ATTEMPT 1

The `displayTimeZones()` method is used to obtain the times using the `ZoneID` values.

B3b. DISPLAY TIME ZONES

Competent The Landon Hotel scheduling application displays the time of an online, live presentation held at the hotel in *all* 3 time zones from part B3a in hours and minutes. The times are correctly displayed as ET, MT, and UTC. The code is complete and functions correctly.

There are no comments for this aspect.

C1. BUILD DOCKERFILE

Competent The Dockerfile image is successfully built from the Dockerfile and includes *all* code and modifications made in parts B1 to B3.

There are no comments for this aspect.

C2. TEST THE DOCKERFILE

Competent The Dockerfile is tested and includes *all* given requirements without errors.

EVALUATOR COMMENTS: ATTEMPT 1

The Dockerfile is present and a screenshot is provided showing the Spring App running in the container.

C3. DESCRIPTION OF DEPLOYMENT TO THE CLOUD

Competent The description provides a plausible explanation of how the current multithreaded Spring application could be deployed to the cloud that aligns with the given cloud provider services.

EVALUATOR COMMENTS: ATTEMPT 1

A description is provided in the documentation with specific steps for Cloud deployment using Azure.

D. PROFESSIONAL COMMUNICATION

Competent This submission demonstrates correct use of spelling, grammar, punctuation, and sentence fluency. You have demonstrated quality professional communication skills in this submission.

There are no comments for this aspect.