Persistence API (PER)

Exercise PER.1 – Persistence

The Setup:
The main objectives of this exercise are to expose you to some of the trickier parts of the Entity Manager Persistence API..

To get started copy your W1D4-Hibernate-1 project directory and call it W1D5-PersistenceAPI. Update the pom.xml to update the artifactId to PersistenceAPI.

Exercise Part A:
Update the code in AppCar.java (right after the two cars have been persisted):
- Print "Em contains Car1 before clear" if it contains car1 after car2 has been persisted
- Clear the entity manager cache
- Print "Em contains Car1 before clear" if it contains car1 after the clear

Execute the code to see what the output is.

Exercise Part B:
Add the following statements below the if statements you wrote in part A:
- Change the price of car1 to 50000
- Merge car1 (but do not store the return value of merge)
- Change the year of car1 to 2022

Execute the code to see what the output is. Do you understand why the price change went into the database, but the year change did not?

- Update the code to store the return value of merge into the Car1 variable

Execute the code again to confirm that the year change gets persisted.

Submitting:
Once you're finished with this exercise you can delete the target directory in your project and create a zip file of the project. Then upload it to Sakai, and write a brief summary of your experiences with this exercise in the textbox.