

Challenge

1. What is the difference in step 5 and step 10? None.
2. Why we have created 2 **application.properties** files? One manages the application properties for production and one for testing.
3. Create a new method to test a modification for an existing dragon (You will need to create the dragon before you try to modify it)

```
@Test
public void givenDragon_whenSave_thenRename() {
    Dragon dragon = new Dragon(2, "Fafnir");
    dragonRepository.save(dragon);

    Dragon modifyingDragon = dragonRepository.findById(2L).orElse(null);
    modifyingDragon.setName("Quetzalcoatl");
    dragonRepository.save(modifyingDragon);

    Dragon retrievedDragon = dragonRepository.findById(2L).orElse(null);
    assertEquals("Quetzalcoatl", retrievedDragon.getName());
}
```

4. Create a new method to test the removal of an existing dragon (You will need to create the dragon before you try to remove it it)?

```
@Test
public void givenDragon_whenSave_thenDelete() {
    Dragon dragon = new Dragon(2, "Smaug");
    dragonRepository.save(dragon);

    dragonRepository.deleteById(2L);

    Dragon retrievedDragon = dragonRepository.findById(2L).orElse(null);
    assertNull(retrievedDragon);
}
```

5. Why we are not mocking the Dragon Repository?
Because we are working on top of the actual database.

GitHub link: <https://github.com/GerardoSoftwareQualityAndTesting/Lab-4.git>