Gatling extra task

US – 21

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Gatling feeder

For the Gatling extra task or Gatling Feeders I choose US-21 (Training session organization), which means trainer adding new rehabilitations, since I it is a suitable user story for generating test cases, since there is an input.

As for the scala file, I took a previously added performance test diagnosis scala file for US-21 and made some changes in order to make Gatling feeder applicable.

That included changes:

1) Declaring new variables so that when the scala file's script is executed, then the data will be taken from the 2 csv files defined below:

   val feederPositive = csv("RehabManagementPositive4.csv")
   val feederNegative = csv("RehabManagementNegative4.csv")

2) Adding the actual 'call' for the csv files, so that when the script is running, then the data inside the csv will be inserted into the new rehabs that are going to be added.

   .feed(feederPositive)
   .feed(feederNegative)

3) Changing the parameters, so that for each rehab different data is inserted instead of a previously defined constants

   In the screenshots below there is a scala file with the added Gatling feeder extensions:

```scala
object AddedSuccessfulNewRehab {

val feederPositive = csv("RehabManagementPositive4.csv")

  val addedSuccessfulNewRehab2 = exec(http("AddedSuccessfulNewRehab")
      .get("/owners/3/pets/3/rehab/new")
      .headers(headers_0)
      .check(css("input[name=_csrf]","value").saveAs("stoken"))
    ).pause(34)
.feed(feederPositive)
.exec(http("AddedSuccessfulrehab")
      .post("/owners/3/pets/3/rehab/new")
      .headers(headers_3)
      .formParam("petId", "3")
      .formParam("id", "")
      .formParam("date", "${date}")
      .formParam("time", "${time}")
      .formParam("description", "${description}")
      .formParam("_csrf", "${stoken}"))
    .pause(37)
```

Figure 1 Adding rehab positive case

```
object UnsuccessfulAddingOfRehab {

val feederNegative = csv("RehabManagementNegative4.csv")

 val addedUnsuccessfulRehab = exec(http("UnsuccessfulAddingOfRehab")
        .get("/owners/3/pets/3/rehab/new")
        .headers(headers_0)
        .check(css("input[name=_csrf]","value").saveAs("stoken"))
     ).pause(34)
.feed(feederNegative)
.exec(http("UnsuccessfulAddingOfRehab2")
        .post("/owners/3/pets/3/rehab/new")
        .headers(headers_3)
        .formParam("petId", "3")
        .formParam("id", "")
        .formParam("date", "${date}")
        .formParam("time", "${time}")
        .formParam("description", "${description}")
        .formParam("_csrf", "${stoken}"))
     .pause(27)
```

Figure 2 Adding rehab negative case

For generating csv files, the website https://www.mockaroo.com/ was used.

Before running the script, I checked the database state, to see how many rehabs are saved as for now. We can see that there are 2 rehabs.
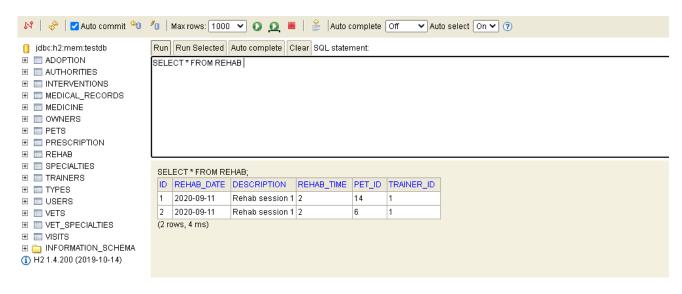

Figure 3 Rehabs before adding Gatling feeder

After executing the script, I checked the database again to see if there are any changes regarding to rehabs, as there should be added rehabs. We can see that many rehabs have been added:
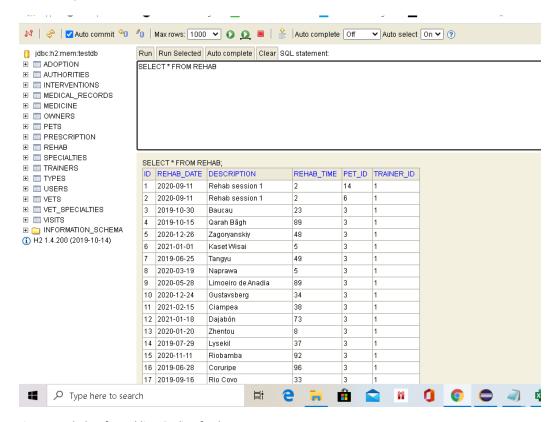

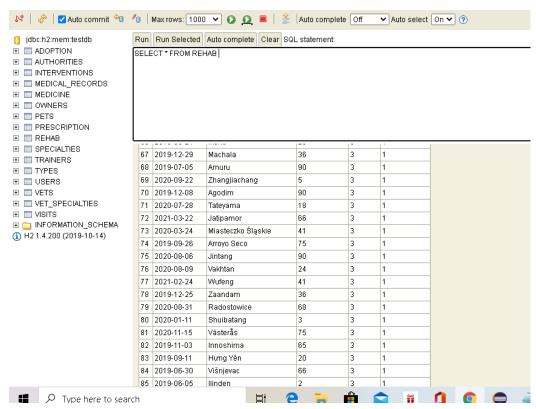*Figure 5 Rehabs after adding Gatling feeder 1*

Figure 4 Rehabs after adding Gatling feeder 2

The same situation we can see when we log into our petclinic website,that pet with an ID 3 has a lot of rehabs added:

			Rehabilitation Date	Rehabilitation Time	Rehabilitation Description	Rehabilitation Trainer		

Pets and Rehabilitation

Name	Jewel	Rehabilitation Date	Rehabilitation Time	Rehabilitation Description	Rehabilitation Trainer	
Birth Date	2010-03-07					
Type	dog	Add Rehab				

Name	Rosy	Rehabilitation Date	Rehabilitation Time	Rehabilitation Description	Rehabilitation Trainer	
Birth Date	2011-04-17					
Type	dog	2019-12-23	55	Guangsheng	John Doe	Delete Rehabilitation / Edit Rehabilitation
		2019-09-26	75	Arroyo Seco	John Doe	Delete Rehabilitation / Edit Rehabilitation
		2020-12-24	34	Gustavsberg	John Doe	Delete Rehabilitation / Edit Rehabilitation
		2019-12-05	72	Cumanayagua	John Doe	Delete Rehabilitation / Edit Rehabilitation
		2019-12-08	90	Agodim	John Doe	Delete Rehabilitation / Edit Rehabilitation
		2019-08-05	55	Shënmëri	John Doe	Delete Rehabilitation / Edit Rehabilitation
		2019-10-17	80	Cishan	John Doe	Delete Rehabilitation / Edit Rehabilitation
		2020-07-21	81	Rio Grande da Serra	John Doe	Delete Rehabilitation / Edit Rehabilitation
		2020-04-09	94	Abéché	John Doe	Delete Rehabilitation / Edit Rehabilitation

wners/3/pets/3/rehab/39/delete

Figure 6 Petclinic website after adding Gatling feeder