The application was done with the following stack:

Java, MySQL in Docker container, Spring Boot, Spring security, JWT, Spring MVC, Spring Data, JPA, Junit, Mockito.

Application and test examples can be found in sent GIT repo.

What was not done: autoGenerated documentations (easily can be done by JavaDoc + needed annotations)

Here is the instruction for testing:

1. Create DB at your MySQL Server, if needed change username and password in application properties.
2. Start Java app. Some tables will be automatically generated.
3. Stop Java app. Find src/main/resources/sqlScript.sql and do this scripts in created DB.
4. Start Java app.
5. Open Postman
6. Login

* In postman

GET http://localhost:8082/login

Body: {

"login": "test",

"password": "test"

}

Authorization: Basic Auth

Login test

Password test

* In result will receive smth like:
* {
* "login": "test",
* "token": "eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJ0ZXN0Iiwicm9sZSI6IkFETUlOIiwiaWF0IjoxNzAwNTc4MjU0LCJleHAiOjE3MDA1ODE4NTR9.5KGuWemk-kYUSL2gqEo8248sCVSv83Qo2Sxqxxu4tHU"
* }
* For all next steps will be needed to copy token (without “”) into Authorization: Bearer Token

Token: -token from response

1. Add company

* In Postman:

POST <http://localhost:8082/api/v1/company/create>

Body: {

"name": "TestCompany"

}

1. Add employees for company:

* In Postman:

POST http://localhost:8082/api/v1/employee/loadEmployees

* Body: {
* "filePath": "C:\\java\\pet projects\\emissions\\emissions\\src\\main\\resources\\employeeServiceTest.csv"

}

Here is used csv file from resources – be careful with file path.

1. Add vehicle for Company

* In Postman:

POST http://localhost:8082/api/v1/vehicle/loadVehicles

* Body: {

"filePath": "C:\\java\\pet projects\\emissions\\emissions\\src\\main\\resources\\vehicleServiceTest.csv"

}

Here is used csv file from resources – be careful with file path.

1. Add this week mileage

* I In Postman:

POST http://localhost:8082/api/v1/mileage/loadMileage

* Body: {

"filePath": "C:\\java\\pet projects\\emissions\\emissions\\src\\main\\resources\\mileageServiceTest.csv"

}

Here is used csv file from resources – be careful with file path.

1. How to get this week’s mileage for employee

* I In Postman:

GET <http://localhost:8082/api/v1/mileage/getForEmployee/5>

Here number 5 – id of employee.

1. How to get this week’s mileage for whole company

* I In Postman:

GET http://localhost:8082/api/v1/mileage/getForCompanyHere