

# Taxi24

Instructions of how to get the solution running on our machines

**Taxi24** is a new startup based in Kigali. They would like to disrupt the taxi industry in Rwanda by providing a white-label solution to the

existing taxi companies and hotels. Practically, they will build a set of APIs that other companies can use to manage their fleet of drivers and allocate drivers to passengers. They would like your help building these APIs.



These instructions will get you a copy of the project up and running on your local machine for development and testing purposes. See deployment for notes on how to deploy the project on a live system.

## PREREQUISITES

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first you need to install below:

- ❖ jdk-11.0.7
- ❖ Eclipse IDE for Enterprise Java Developers
- ❖ MYSQL Workbench
- ❖ postman=> create account.
- ❖ Apache Tomcat 9.0



## IMPORT

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after installation you import the below database and project in:

- tax24 (project)=>Eclipse
- tax24 (database folder)=> MySQL workbench



## Running Tests

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after importing the project into Eclipse below are package names and classes to be used:

main package: com.tax24.application

- main Class: mainApplication.java (to run it right click on it and run as java application.
- once the tomcat started go to postman and use any method you want (POST,GET, DELETE,...) using different paths indicated in different classes.( each Class belongs in its package, you will find the path in each Controller Java class, on each function you will find the path above use it in postman to get the results)

### **example:**

postman path to save into database (driver table): <http://localhost:8080/tax24/driver/>

BKProject - tax24/src/main/java/tax24/driverClassController.java - Eclipse IDE

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Project Explorer

- Servers
- tax24
  - Deployment Descriptor: Archety
  - Java Resources
    - src/main/java
      - com.tax24.application
      - com.tax24.riders
      - com.tax24.trips
      - tax24
        - driverClass.java
        - driverClassController.java
        - driverClassController
        - driverClassRepo.java
        - driverDao.java
        - application.properties
      - src/test/java
      - Libraries
    - JavaScript Resources
      - src/main/webapp
      - target/m2e-wtp/web-resource
      - ECMAScript Built-In Library
      - ECMA 3 Browser Support Lib

driverClassController.java

```
30 import java.util.ArrayList;
22
23 @RestController
24 @RequestMapping("/tax24")
25 public class driverClassController {
26
27     @Autowired
28     driverDao driverDao;
29     TripDao TripDao;
30
31     @RequestMapping(value="/tax24", method=RequestMethod.GET )
32     public String read() {
33         return "tax24";
34     }
35
36     // =====register drivers=====
37
38     @PostMapping("/driver")
39     public driverClass createDriver(@Valid @RequestBody driverClass driver) {
40         return driverDao.save(driver);
41     }
42
43     // ===== Get a list of all drivers=====
44
45     @GetMapping("/driver")
46 }
```

BKProject - Eclipse IDE

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Markers Properties Servers Data Source Explorer Snippets Console

mainApplication [Java Application]

The Class-Path manifest attribute in C:\Users\Thomas\m2\repository\org\glassfish\jaxb\jaxb-runtime\2.3.1\jaxb-runtime-2.3.1.jar referenced one or more files that do not e

Spring Boot (v2.1.12.RELEASE)

```
2020-05-14 11:58:20.122 INFO 6420 --- [ restartedMain] com.tax24.application.mainApplication : Starting mainApplication on Thom with PID 6420 (C:\JavaworkSpace\tax24\target\clas
2020-05-14 11:58:20.137 INFO 6420 --- [ restartedMain] com.tax24.application.mainApplication : No active profile set, falling back to default profiles: default
2020-05-14 11:58:20.610 INFO 6420 --- [ restartedMain] .e.DevToolsPropertyDefaultsPostProcessor : Devtools property defaults active! Set 'spring.devtools.add-properties' to 'false'
2020-05-14 11:58:27.829 INFO 6420 --- [ restartedMain] .s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data JPA repositories in DEFAULT mode.
2020-05-14 11:58:27.924 INFO 6420 --- [ restartedMain] .s.d.r.c.RepositoryConfigurationDelegate : Finished Spring Data repository scanning in 63ms. Found 0 JPA repository interface
2020-05-14 11:58:29.456 INFO 6420 --- [ restartedMain] trationDelegate$BeanPostProcessorChecker : Bean 'org.springframework.transaction.annotation.ProxyTransactionManagementConfigu
2020-05-14 11:58:31.300 INFO 6420 --- [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 8080 (http)
2020-05-14 11:58:31.389 INFO 6420 --- [ restartedMain] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2020-05-14 11:58:31.389 INFO 6420 --- [ restartedMain] org.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/9.0.30]
2020-05-14 11:58:31.829 INFO 6420 --- [ restartedMain] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2020-05-14 11:58:31.830 INFO 6420 --- [ restartedMain] o.s.web.context.ContextLoader : Root WebApplicationContext: initialization completed in 11219 ms
2020-05-14 11:58:32.398 INFO 6420 --- [ restartedMain] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Starting...
2020-05-14 11:58:33.088 INFO 6420 --- [ restartedMain] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Start completed.
2020-05-14 11:58:33.390 INFO 6420 --- [ restartedMain] o.hibernate.jpa.internal.util.LogHelper : HHH000204: Processing PersistenceUnitInfo [
name: default
...]
2020-05-14 11:58:33.983 INFO 6420 --- [ restartedMain] org.hibernate.Version : HHH000412: Hibernate Core (5.3.15.Final)
2020-05-14 11:58:33.985 INFO 6420 --- [ restartedMain] org.hibernate.cfg.Environment : HHH000206: hibernate.properties not found
2020-05-14 11:58:34.849 INFO 6420 --- [ restartedMain] org.hibernate.annotations.common.Version : HCANN000001: Hibernate Commons Annotations (5.0.4.Final)
2020-05-14 11:58:35.950 INFO 6420 --- [ restartedMain] org.hibernate.dialect.Dialect : HHH000040: Using dialect: org.hibernate.dialect.MySQL5Dialect
2020-05-14 11:58:37.675 INFO 6420 --- [ restartedMain] j.LocalContainerEntityManagerFactoryBean : Initialized JPA EntityManagerFactory for persistence unit 'default'
2020-05-14 11:58:37.708 INFO 6420 --- [ restartedMain] o.s.b.d.a.OptionalLiveReloadServer : LiveReload server is running on port 35729
2020-05-14 11:58:38.772 INFO 6420 --- [ restartedMain] o.s.s.concurrent.ThreadPoolTaskExecutor : Initializing ExecutorService 'applicationTaskExecutor'
2020-05-14 11:58:38.865 WARN 6420 --- [ restartedMain] aWebConfiguration$JpaWebMvcConfiguration : spring.jpa.open-in-view is enabled by default. Therefore, database queries may be
2020-05-14 11:58:39.427 INFO 6420 --- [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8080 (http) with context path ''
2020-05-14 11:58:39.431 INFO 6420 --- [ restartedMain] com.tax24.application.mainApplication : Started mainApplication in 21.883 seconds (JVM running for 22.963)
```

[CONFLICT] POST http://localhost:80... GET http://localhost:8080/tax24/rid... + ... No Environment

Untitled Request

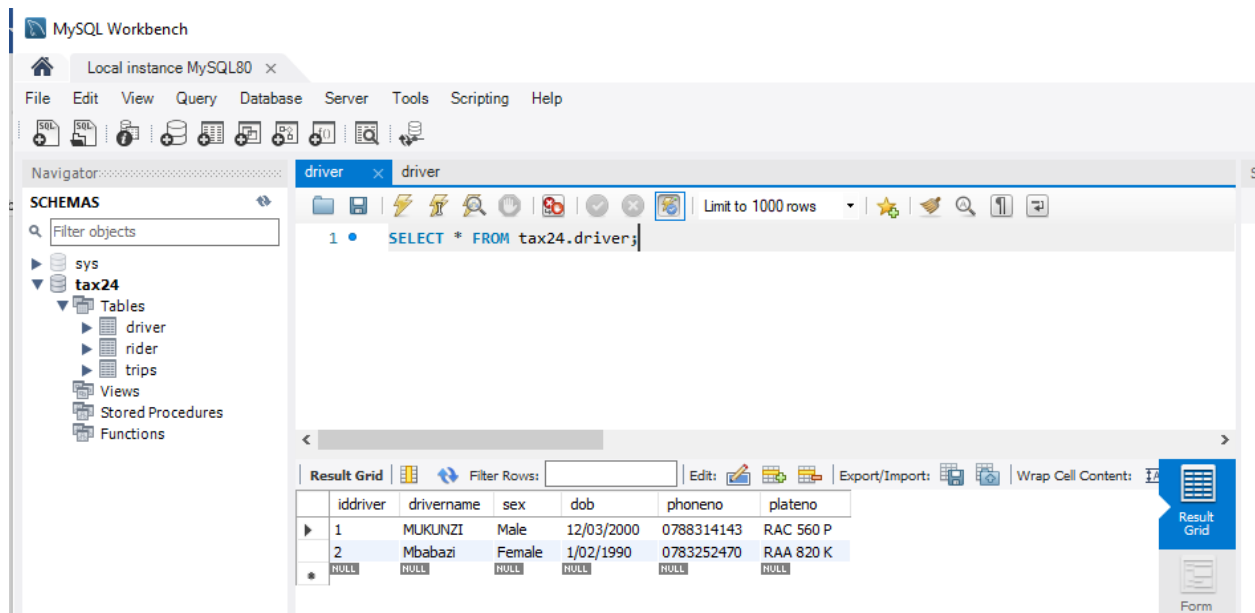
Comments 0

POST http://localhost:8080/tax24/driver/ Send Save

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies Code

none form-data x-www-form-urlencoded raw binary GraphQL JSON Beautify

```
1 [{"iddriver": "3", "drivername": "MUKUNZI Thomas", "sex": "Male", "dob": "12/01/1987", "phoneno": "0788314143", "platen": "RAC 560 P"}]
```



remember to change the password and username to yours into application.properties file:

- **spring.datasource.username=**
- **spring.datasource.password=**

**Thank you!**