

```
application.properties  application-dev.properties  application-test.properties
1 package com.AtividadeNovo.entities;
2
3 import jakarta.persistence.Entity;
14
15 @Data
16 @NoArgsConstructor
17 @AllArgsConstructor
18 @Entity
19 @Table (name = "usuario")
20 public class Usuario {
21
22 @Id
23 @GeneratedValue(strategy = GenerationType.IDENTITY)
24 private Long Id;
25
26 @NotNull
27 @NotBlank
28 private String nome;
29
30 @NotNull
31 @NotBlank
32 @Email(message = "informe o e-mail corretamente")
33 private String email;
34 }
35
```

```
application.prope...  application-dev.pr...  application-test.pr...  UsuarioControllerj...  Usuario.java  Us
1 package com.AtividadeNovo.repository;
2
3 import org.springframework.data.jpa.repository.JpaRepository;
6
7 public interface UsuarioRepository extends JpaRepository<Usuario, Long>{
8
9 }
10
```

```

application.properties  application-dev.properties  application-test.properties  UsuarioController.java  Usuario.java  Us
1 package com.AtividadeNovo.services;
2
3 import java.util.List;
15
16 @Service
17 public class UsuarioService {
18     private UsuarioRepository usuarioRepository;
19
20     @Autowired
21     public UsuarioService(UsuarioRepository usuarioRepository) {
22         this.usuarioRepository = usuarioRepository;
23     }
24     public List<Usuario> buscaTodosUsuarios() {
25         return usuarioRepository.findAll();
26     }
27     public Usuario buscaUsuarioId(Long id) {
28         Optional<Usuario> usuario = usuarioRepository.findById(id);
29         return usuario.orElse(null);
30     }
31     public Usuario salvaUsuario(@RequestBody @Valid Usuario usuario) {
32         return usuarioRepository.save(usuario);
33     }
34     public Usuario alterarUsuario(@PathVariable Long id, @RequestBody @Valid Usuario alterarU) {
35         Optional<Usuario> existeUsuario = usuarioRepository.findById(id);
36         if (existeUsuario.isPresent()) {
37             alterarU.setId(id);
38             return usuarioRepository.save(alterarU);
39         }
40         return null;
41     }
42     public boolean apagarUsuario(Long id) {
43         Optional<Usuario> existeUsuario = usuarioRepository.findById(id);
44         if (existeUsuario.isPresent()) {
45             usuarioRepository.deleteById(id);
46             return true;
47         }
48         return false;
49     }
50 }

```

```

workProjetoSpring - AtividadeNovo/src/main/java/com/AtividadeNovo/controller/UsuarioController.java - Spring Tool Suite
File Edit Source Refactor Source Navigate Search Project Run Window Help
application.properties  application-dev.properties  application-test.properties  UsuarioController.java
1 package com.AtividadeNovo.controller;
2
3 import java.util.List;
14
15 @RestController
16 @RequestMapping("/Usuario")
17 public class UsuarioController {
18     private final UsuarioService usuarioService;
19
20     @Autowired
21     public UsuarioController(UsuarioService usuarioService) {
22         this.usuarioService = usuarioService;
23     }
24     @GetMapping("/{id}")
25     public ResponseEntity<Usuario> buscaUsuarioControlId(@PathVariable Long id) {
26         Usuario usuario = usuarioService.buscaUsuarioId(id);
27         if (usuario != null) {
28             return ResponseEntity.ok(usuario);
29         }
30         else {
31             return ResponseEntity.notFound().build();
32         }
33     }
34 }
35 @GetMapping("/")
36 public ResponseEntity<List<Usuario>> buscaTodosUsuariosControl() {
37     List<Usuario> Usuarios = usuarioService.buscaTodosUsuarios();
38     return ResponseEntity.ok(Usuarios);
39 }
40 }

```

Re(start)

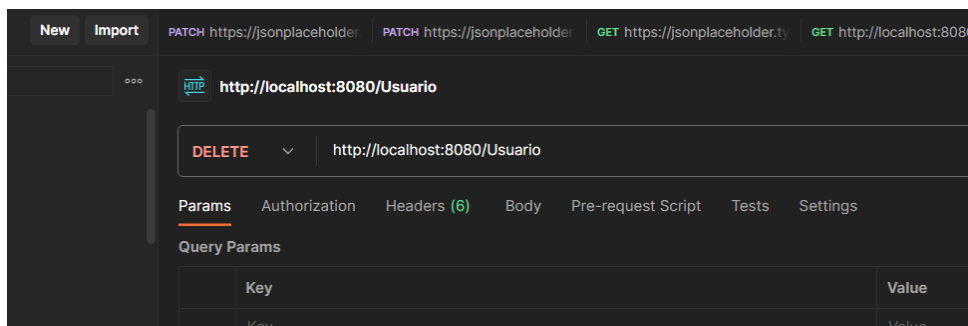
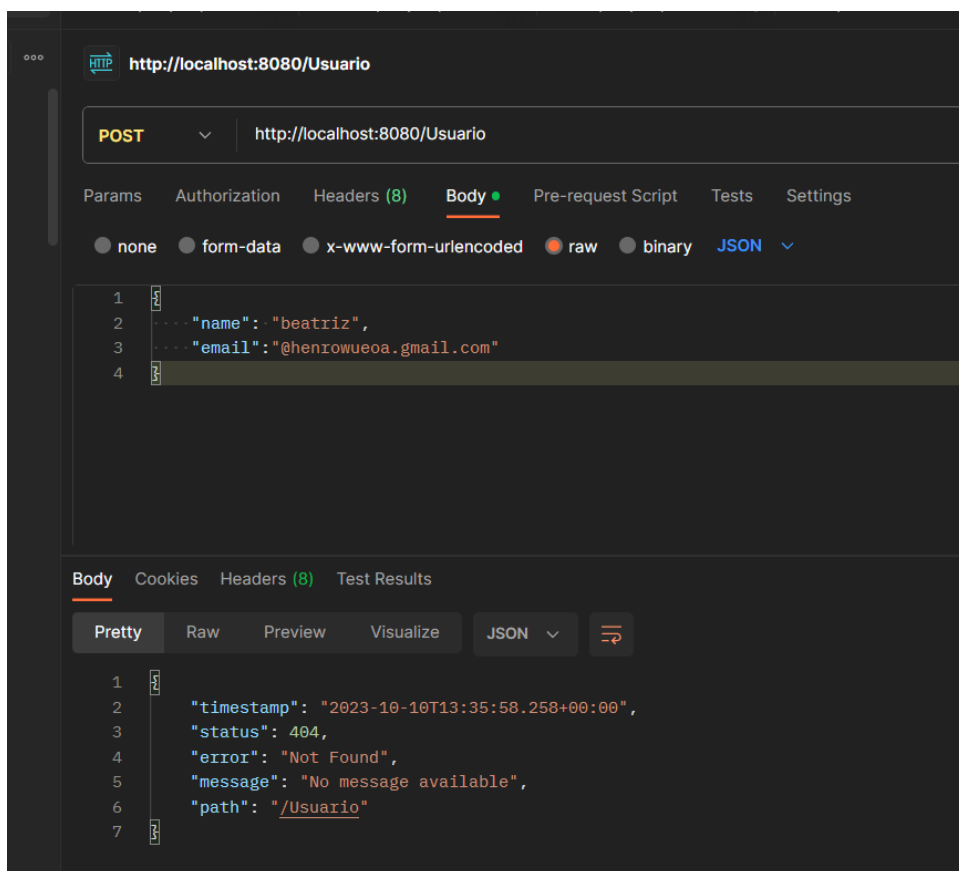
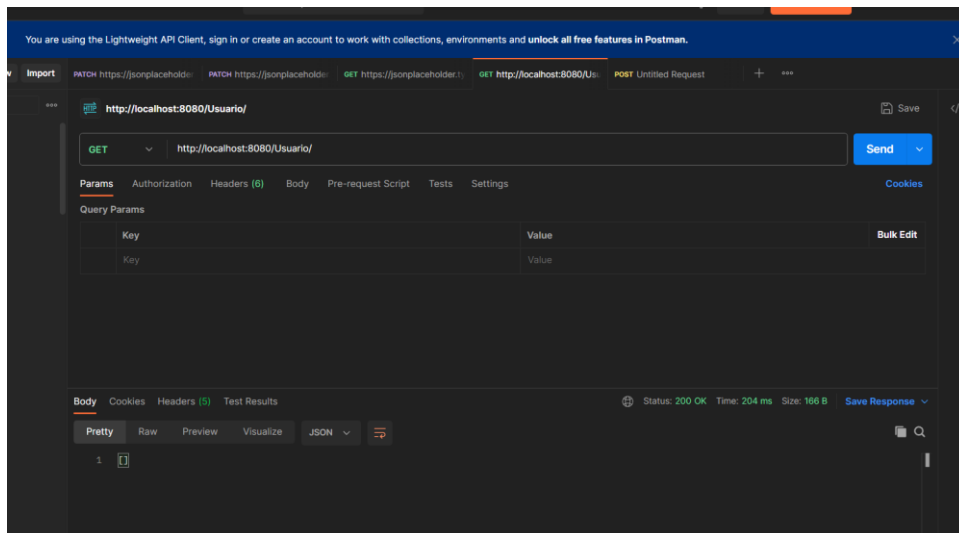
```
AtividadeNovo - AtividadeNovoApplication [Spring Boot App] [ps: 7152]
2023-10-10T10:06:41.008-03:00 INFO 7152 --- [ restartedMain] c.a.AtividadeNovoApplication : Started AtividadeNovoApplication i
2023-10-10T10:06:51.521-03:00 INFO 7152 --- [nio-8080-exec-3] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring DispatcherServ
2023-10-10T10:06:51.521-03:00 INFO 7152 --- [nio-8080-exec-3] o.a.web.servlet.DispatcherServlet : Initializing Servlet 'dispatcherSe
2023-10-10T10:06:51.521-03:00 INFO 7152 --- [nio-8080-exec-3] o.a.web.servlet.DispatcherServlet : Completed initialization in 0 ms

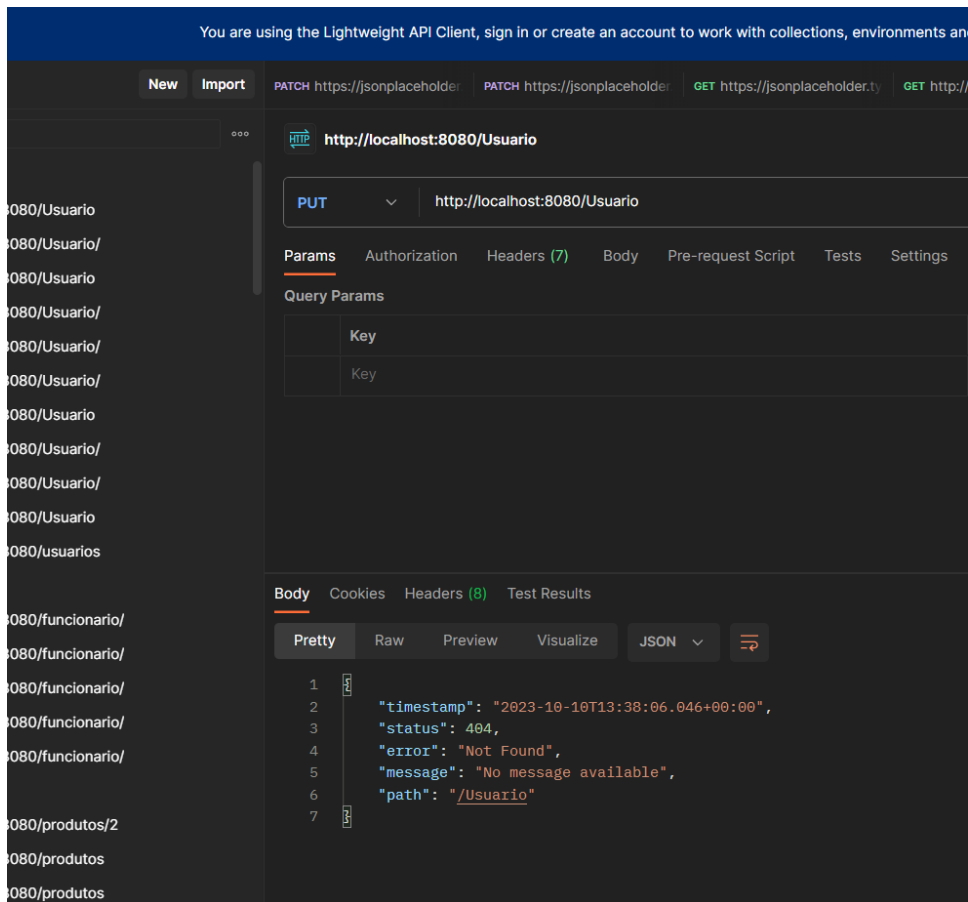
Hibernate:
/* <criteria> */ select
  ul_0.id,
  ul_0.email,
  ul_0.nome
from
  usuario ul_0
```

```
application.properties x application-dev.properties
1 #Ativando os perfis
2 spring.profiles.active=dev
3
4
```

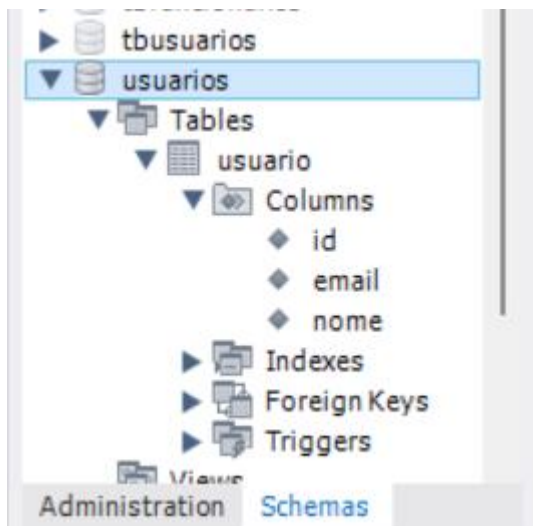
```
application.properties x application-dev.properties x application-test.properties
1
2 # Acesso ao H2
3 spring.datasource.url=jdbc:mysql://localhost:3306/usuarios
4 spring.datasource.driver-class-name=com.mysql.cj.jdbc.Driver
5 spring.datasource.username=root
6 spring.datasource.password=Passw0rd
7 spring.jpa.database=mysql
8 spring.jpa.show-sql=true
9 spring.jpa.properties.hibernate.dialect=org.hibernate.dialect.MySQL57Dialect
10 spring.jpa.properties.hibernate.format_sql=true
11 spring.jpa.properties.hibernate.use_sql_comments=true
12 spring.jpa.defer-datasource-initialization=true
13 spring.jpa.hibernate.ddl-auto=update
14
```

```
application.properties x application-dev.properties x application-test.properties x
1
2 server.port=8081
3
4 spring.datasource.url=jdbc:h2:mem:testdb
5 spring.datasource.driver-class-name=org.h2.Driver
6 spring.datasource.username=sa
7 spring.datasource.password=
8 spring.jpa.database-platform=org.hibernate.dialect.H2Dialect
9 spring.jpa.defer-datasource-initialization=true
10 spring.jpa.hibernate.ddl-auto=update
11 spring.h2.console.enabled=true
12
```





MySQL



Atividades de TURMA DEV 2E

Word | Microsoft 365

usuario

Email - BEATRIZ TEIXEIRA HENRI

localhost:8081/h2-console/login.do?sessionId=8731f5e66d7994464d5611dbe7648c3f

Auto commit

Max rows: 1000

Auto complete

Auto select

RunRun SelectedAuto completeClearSQL statement:

jdbc:h2:mem:testdb

USUARIO

ID

EMAIL

NOME

Indexes

INFORMATION_SCHEMA

Users

H2 2.1.214 (2022-06-13)

?

Displays this Help Page

Shows the Command History

Ctrl+Enter

Executes the current SQL statement

Shift+Enter

Executes the SQL statement defined by the text selection

Ctrl+Space

Auto complete

Disconnects from the database

Delete the table if it exists

Create a new table with ID and NAME columns

Add a new row

Add another row

Query the table

Change data in a row

Remove a row

Help

DROP TABLE IF EXISTS TEST;

CREATE TABLE TEST(ID INT PRIMARY KEY, NAME VARCHAR(255));

INSERT INTO TEST VALUES(1, 'Hello');

INSERT INTO TEST VALUES(2, 'World');

SELECT * FROM TEST ORDER BY ID;

UPDATE TEST SET NAME='Hi' WHERE ID=1;

DELETE FROM TEST WHERE ID=2;

HELP ...

Important Commands

Sample SQL Script

Adding Database Drivers

Additional database drivers can be registered by adding the Jar file location of the driver to the environment variables H2DRIVERS or CL