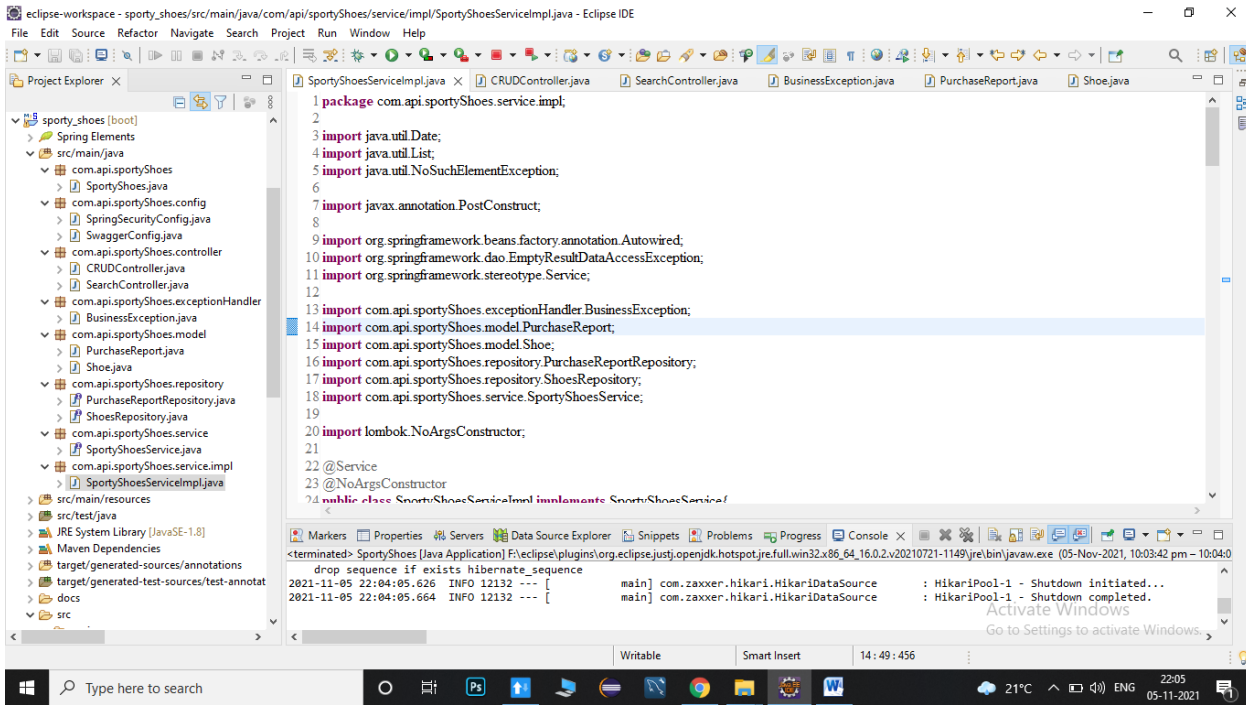# SPORTY SHOES

Eclipse IDE screenshot — SportyShoesServiceImpl.java editor:

```java
package com.api.sportyShoes.service.impl;

import java.util.Date;
import java.util.List;
import java.util.NoSuchElementException;

import javax.annotation.PostConstruct;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.dao.EmptyResultDataAccessException;
import org.springframework.stereotype.Service;

import com.api.sportyShoes.exceptionHandler.BusinessException;
import com.api.sportyShoes.model.PurchaseReport;
import com.api.sportyShoes.model.Shoe;
import com.api.sportyShoes.repository.PurchaseReportRepository;
import com.api.sportyShoes.repository.ShoesRepository;
import com.api.sportyShoes.service.SportyShoesService;

import lombok.NoArgsConstructor;

@Service
@NoArgsConstructor
public class SportyShoesServiceImpl implements SportyShoesService{
```

Console:
```
<terminated> SportyShoes [Java Application] F:\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_16.0.2.v20210721-1149\jre\bin\javaw.exe (05-Nov-2021, 10:03:42 pm – 10:04:0
    drop sequence if exists hibernate_sequence
2021-11-05 22:04:05.626  INFO 12132 --- [           main] com.zaxxer.hikari.HikariDataSource       : HikariPool-1 - Shutdown initiated...
2021-11-05 22:04:05.664  INFO 12132 --- [           main] com.zaxxer.hikari.HikariDataSource       : HikariPool-1 - Shutdown completed.
```


Second Eclipse IDE screenshot — Console (Spring Boot startup):
```
  /\\ / ___'_ __ _ _(_)_ __  __ _ \ \ \ \
 ( ( )\___ | '_ | '_| | '_ \/ _` | \ \ \ \
  \\/  ___)| |_)| | | | | || (_| |  ) ) ) )
   '  |____| .__|_| |_|_| |_\__, | / / / /
  =========|_|==============|___/=/_/_/_/
  :: Spring Boot ::        (v2.2.10.RELEASE)

<terminated> SportyShoes [Java Application] F:\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_16.0.2.v20210721-1149\jre\bin\javaw.exe (05-Nov-2021, 10:06:06 pm – 10:06:23 pm)

2021-11-05 22:06:10.891  INFO 6148 --- [           main] com.api.sportyShoes.SportyShoes          : Starting SportyShoes on DESKTOP-MR1SLQB with PID 6148 (C:\Users\Lenovo\eclipse-worksp
2021-11-05 22:06:10.898  INFO 6148 --- [           main] com.api.sportyShoes.SportyShoes          : No active profile set, falling back to default profiles: default
2021-11-05 22:06:13.890  INFO 6148 --- [           main] .s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data JPA repositories in DEFAULT mode.
2021-11-05 22:06:14.102  INFO 6148 --- [           main] .s.d.r.c.RepositoryConfigurationDelegate : Finished Spring Data repository scanning in 175ms. Found 2 JPA repository interfaces.
2021-11-05 22:06:15.656  INFO 6148 --- [           main] o.s.b.w.embedded.tomcat.TomcatWebServer  : Tomcat initialized with port(s): 4000 (http)
2021-11-05 22:06:15.681  INFO 6148 --- [           main] o.apache.catalina.core.StandardService   : Starting service [Tomcat]
2021-11-05 22:06:15.682  INFO 6148 --- [           main] org.apache.catalina.core.StandardEngine  : Starting Servlet engine: [Apache Tomcat/9.0.38]
2021-11-05 22:06:15.929  INFO 6148 --- [           main] o.a.c.c.C.[Tomcat].[localhost].[/]       : Initializing Spring embedded WebApplicationContext
2021-11-05 22:06:15.930  INFO 6148 --- [           main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 4921 ms
2021-11-05 22:06:16.029  INFO 6148 --- [           main] com.zaxxer.hikari.HikariDataSource       : HikariPool-1 - Starting...
2021-11-05 22:06:16.416  INFO 6148 --- [           main] com.zaxxer.hikari.HikariDataSource       : HikariPool-1 - Start completed.
2021-11-05 22:06:16.433  INFO 6148 --- [           main] o.s.b.a.h2.H2ConsoleAutoConfiguration    : H2 console available at '/h2'. Database available at 'jdbc:h2:mem:testdb'
2021-11-05 22:06:16.832  INFO 6148 --- [           main] o.hibernate.jpa.internal.util.LogHelper  : HHH000204: Processing PersistenceUnitInfo [name: default]
2021-11-05 22:06:16.970  INFO 6148 --- [           main] org.hibernate.Version                    : HHH000412: Hibernate ORM core version 5.4.21.Final
2021-11-05 22:06:17.312  INFO 6148 --- [           main] o.hibernate.annotations.common.Version   : HCANN000001: Hibernate Commons Annotations {5.1.0.Final}
2021-11-05 22:06:17.656  INFO 6148 --- [           main] org.hibernate.dialect.Dialect            : HHH000400: Using dialect: org.hibernate.dialect.H2Dialect
Hibernate:

    drop table if exists purchase_report CASCADE
Hibernate:

    drop table if exists shoe CASCADE
Hibernate:

    drop sequence if exists hibernate_sequence
Hibernate: create sequence hibernate_sequence start with 1 increment by 1
Hibernate:

    create table purchase_report (
```

```
eclipse-workspace - Eclipse IDE
File  Edit  Refactor  Source  Navigate  Search  Project  Run  Window  Help

Markers  Properties  Servers  Data Source Explorer  Snippets  Problems  Progress  Console
SportyShoes [Java Application] F:\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_16.0.2.v20210721-1149\jre\bin\javaw.exe (05-Nov-2021, 10:12:06 pm)
    call next value for hibernate_sequence
Hibernate:
    insert
    into
        purchase_report
        (category, dop, order_list, purchased_by, id)
    values
        (?, ?, ?, ?, ?)
Hibernate:
    select
        purchasere0_.id as id1_0_0_,
        purchasere0_.category as category2_0_0_,
        purchasere0_.dop as dop3_0_0_,
        purchasere0_.order_list as order_li4_0_0_,
        purchasere0_.purchased_by as purchase5_0_0_
    from
        purchase_report purchasere0_
    where
        purchasere0_.id=?
Hibernate:
    call next value for hibernate_sequence
Hibernate:
    insert
    into
        purchase_report
        (category, dop, order_list, purchased_by, id)
    values
        (?, ?, ?, ?, ?)
2021-11-05 22:12:33.311  INFO 17120 --- [      main] o.s.s.web.DefaultSecurityFilterChain     : Creating filter chain: any request, [org.springframework.security.web.context.request
2021-11-05 22:12:33.415  INFO 17120 --- [      main] pertySourcedRequestMappingHandlerMapping : Mapped URL path [/v2/api-docs] onto method [springfox.documentation.swagger2.web.Swag
2021-11-05 22:12:33.848  INFO 17120 --- [      main] o.s.s.concurrent.ThreadPoolTaskExecutor  : Initializing ExecutorService 'applicationTaskExecutor'
2021-11-05 22:12:34.432  INFO 17120 --- [      main] d.s.w.p.DocumentationPluginsBootstrapper : Context refreshed
2021-11-05 22:12:34.528  INFO 17120 --- [      main] d.s.w.p.DocumentationPluginsBootstrapper : Found 1 custom documentation plugin(s)
2021-11-05 22:12:34.708  INFO 17120 --- [      main] s.d.s.w.s.ApiListingReferenceScanner      : Scanning for api listing references
2021-11-05 22:12:35.406  INFO 17120 --- [      main] o.s.b.w.embedded.tomcat.TomcatWebServer  : Tomcat started on port(s): 4000 (http) with context path ''
2021-11-05 22:12:35.413  INFO 17120 --- [      main] com.api.sportyShoes.SportyShoes           : Started SportyShoes in 22.69 seconds (JVM running for 24.037)
Server Running....
```

localhost:4000/admin/shoe/all

[{"id":1,"name":"Shoe Name 01","category":"Running","price":1000.24},
{"id":2,"name":"Shoe Name 02","category":"Football","price":1100.24},
{"id":3,"name":"Shoe Name 03","category":"Tennis","price":900.24},
{"id":4,"name":"Shoe Name 04","category":"Basketball","price":1900.24}]

```java
31
32     @PostConstruct
33     public void init() {
34         Shoe s1 = new Shoe(1,"Shoe Name 01","Running",1000.24);
35         Shoe s2 = new Shoe(2,"Shoe Name 02","Football",1100.24);
36         Shoe s3 = new Shoe(3,"Shoe Name 03","Tennis",900.24);
37         Shoe s4 = new Shoe(4,"Shoe Name 04","Basketball",1900.24);
38
39         shoesRepo.save(s1);
40         shoesRepo.save(s2);
41         shoesRepo.save(s3);
42         shoesRepo.save(s4);
43
44         Date d = new Date(0);
45         PurchaseReport pr1 = new PurchaseReport(5,"user_1","Running",d,"adidas_runner:5,nike_Equipment:10");
46         PurchaseReport pr2 = new PurchaseReport(6,"user_2","Fooball",d,"adidas_football:5,nike_studs:10");
47         PurchaseReport pr3 = new PurchaseReport(7,"user_3","Tennis",d,"adidas_Tennis:5,nike_airmax:10");
48         PurchaseReport pr4 = new PurchaseReport(8,"user_4","Basketball",d,"adidas_basketballl:5,nike_AirJordan1:10");
49
50         prRepo.save(pr1);
51         prRepo.save(pr2);
52         prRepo.save(pr3);
53         prRepo.save(pr4);
54     }
```

Console:
```
SportyShoes [Java Application] F:\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_16.0.2.v20210721-1149\jre\bin\javaw.exe  (05-Nov-2021, 10:12:06 pm)
        purchasere0_.purchased_by as purchase5_0_
    from
        purchase_report purchasere0_
```

Activate Windows
Go to Settings to activate Windows.

```java
37     try {
38         return new ResponseEntity<>(service.createShoe(shoe), HttpStatus.OK);
39     } catch (BusinessException e) {
40         errorMap = new LinkedMultiValueMap<>();
41         errorMap.add("errorMessage:", e.getMessage());
42         return new ResponseEntity<>(null, errorMap, HttpStatus.BAD_REQUEST);
43     }
44 }
45
46 /**
47  * Shoe get request controller
48  *
49  * @param id
50  * @return ResponseEntity<Shoe> with the given id
51  */
52 @GetMapping("/admin/shoe/{id}")
53 public ResponseEntity<Shoe> getShoeById(@PathVariable int id) {
54     try {
55         return new ResponseEntity<>(service.getShoeById(id), HttpStatus.OK);
56     } catch (BusinessException e) {
57         errorMap = new LinkedMultiValueMap<>();
58         errorMap.add("errorMessage:", e.getMessage());
59         return new ResponseEntity<>(null, errorMap, HttpStatus.NOT_FOUND);
60     }
```
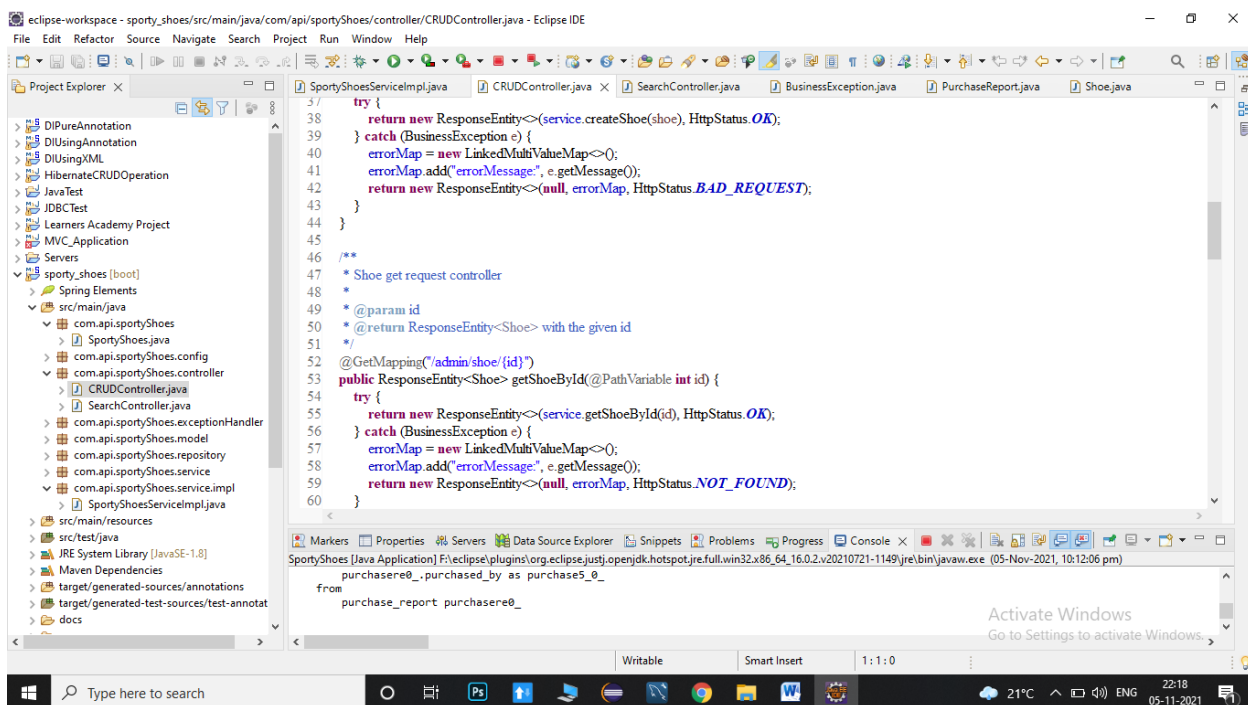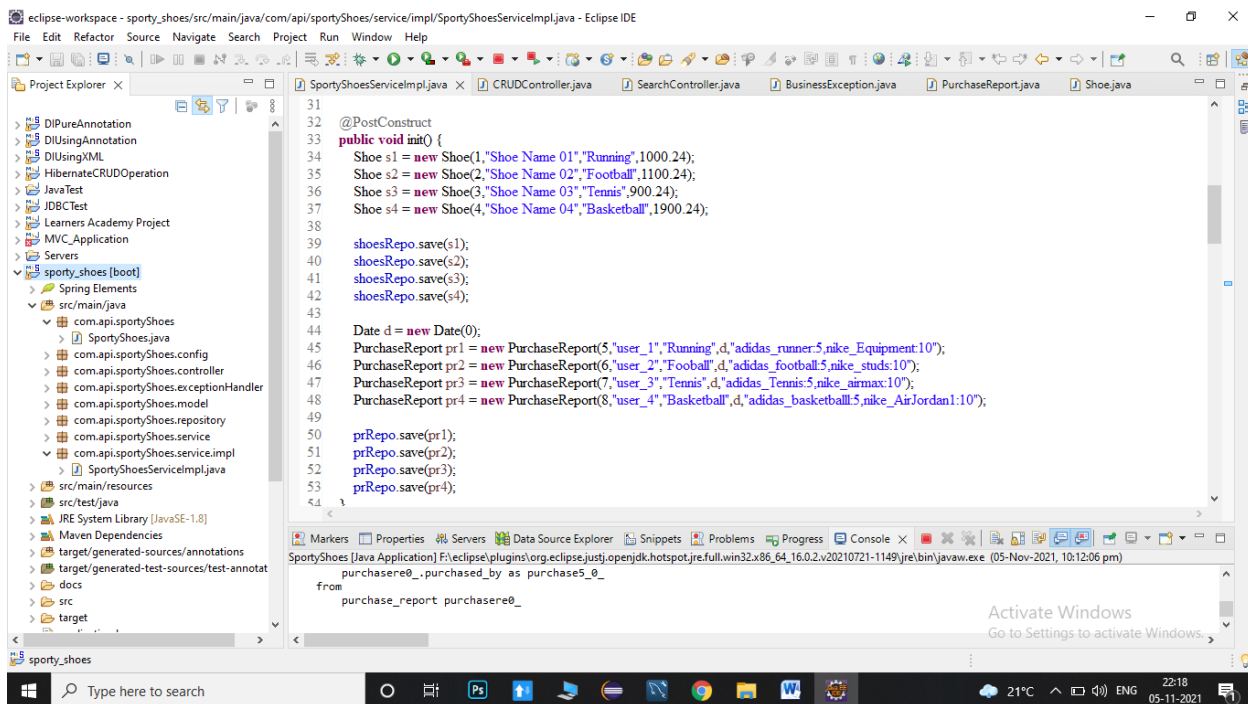
Console:
```
SportyShoes [Java Application] F:\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_16.0.2.v20210721-1149\jre\bin\javaw.exe  (05-Nov-2021, 10:12:06 pm)
        purchasere0_.purchased_by as purchase5_0_
    from
        purchase_report purchasere0_
```
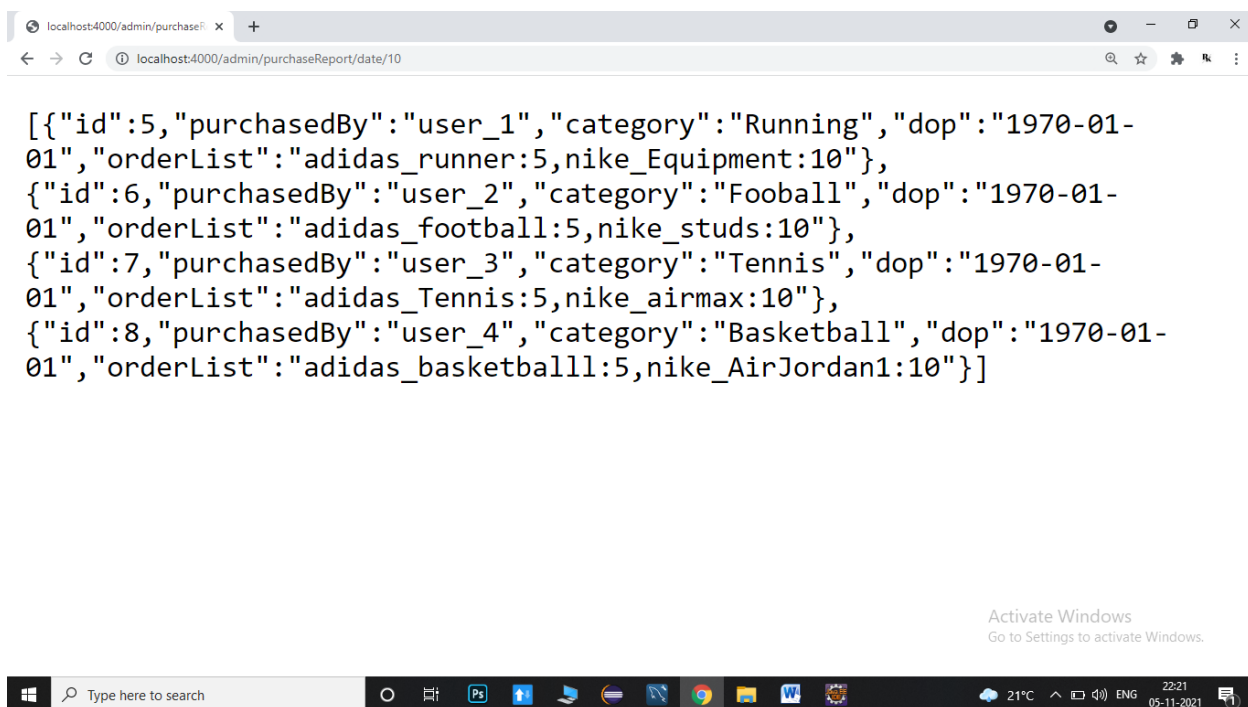
Activate Windows
Go to Settings to activate Windows.

[{"id":5,"purchasedBy":"user_1","category":"Running","dop":"1970-01-01","orderList":"adidas_runner:5,nike_Equipment:10"},
{"id":6,"purchasedBy":"user_2","category":"Fooball","dop":"1970-01-01","orderList":"adidas_football:5,nike_studs:10"},
{"id":7,"purchasedBy":"user_3","category":"Tennis","dop":"1970-01-01","orderList":"adidas_Tennis:5,nike_airmax:10"},
{"id":8,"purchasedBy":"user_4","category":"Basketball","dop":"1970-01-01","orderList":"adidas_basketballl:5,nike_AirJordan1:10"}]

[{"id":5,"purchasedBy":"user_1","category":"Running","dop":"1970-01-01","orderList":"adidas_runner:5,nike_Equipment:10"},
{"id":6,"purchasedBy":"user_2","category":"Fooball","dop":"1970-01-01","orderList":"adidas_football:5,nike_studs:10"},
{"id":7,"purchasedBy":"user_3","category":"Tennis","dop":"1970-01-01","orderList":"adidas_Tennis:5,nike_airmax:10"},
{"id":8,"purchasedBy":"user_4","category":"Basketball","dop":"1970-01-01","orderList":"adidas_basketballl:5,nike_AirJordan1:10"}]

```json
{
    "id":1,
    "category":"AirJordan 5",
    "price": 5000
}
```

200 OK 404.30 ms DETAILS ∨

```json
{
    "id": 1,
    "name": null,
    "category": "AirJordan 5",
    "price": 5000
}
```

localhost:4000/admin/shoe/1

```json
{"id":1,"name":"AirJordan 5","category":"BasketBall","price":5000.0}
```

[{"id":1,"name":"AirJordan 5","category":"BasketBall","price":5000.0},
{"id":2,"name":"Shoe Name 02","category":"Football","price":1100.24},
{"id":3,"name":"Shoe Name 03","category":"Tennis","price":900.24},
{"id":4,"name":"Shoe Name 04","category":"Basketball","price":1900.24}]

localhost:4000/admin/shoe/all

← → C ⓘ localhost:4000/admin/shoe/all

Type here to search

Activate Windows
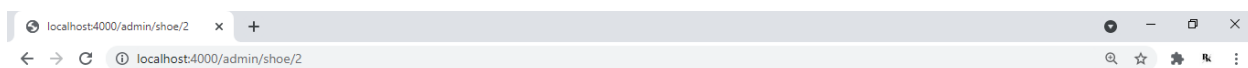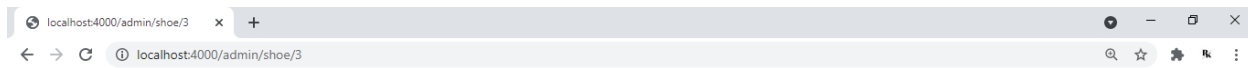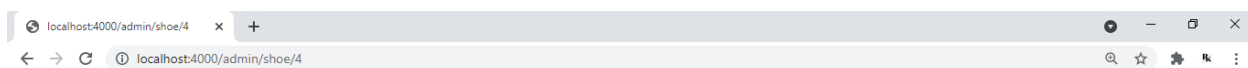Go to Settings to activate Windows.

Request

≡ ARC

HTTP request

Socket

History ∧

Today

GET http://localhost:80...
PUT http://localhost:40...
PUT http://localhost:40...

Method
GET

Request URL
http://localhost:4000/admin/shoe

SEND

Parameters ∧

Headers | Variables

Toggle source mode + Insert headers set

Header name   Header value
content-type   application/json   ✕ ✎

Header name   Header value
authorization   Basic YWRtaW46YWRtaW4=   ✕ ✎

ADD HEADER

A✓ Headers are valid   Headers size: 68 bytes

200 OK 34.50 ms   DETAILS ∨

```
{
    "id": 1,
    "name": "AirJordan 5",
    "category": "BasketBall",
    "price": 5000
}
```
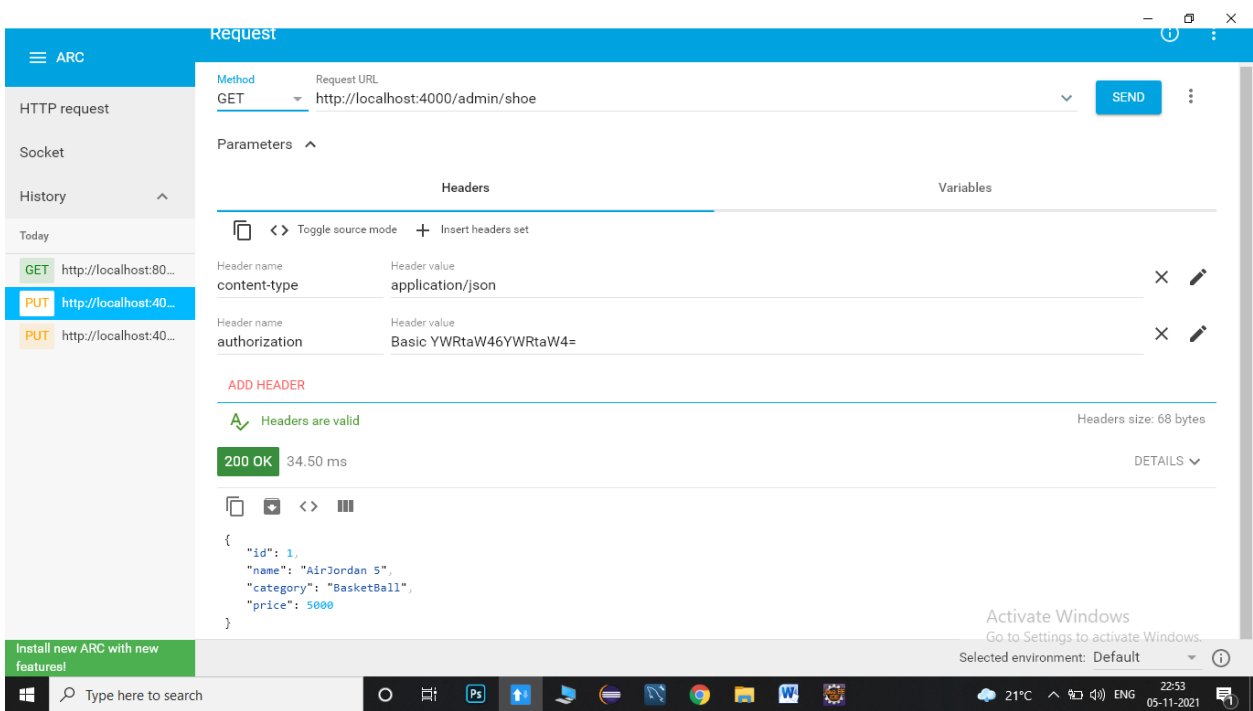
Activate Windows
Go to Settings to activate Windows.

Install new ARC with new features!

Selected environment: Default

Type here to search

ARC

HTTP request

Socket

History

Today

GET http://localhost:40...

GET http://localhost:80...

PUT http://localhost:40...

Headers are valid   Headers size: 68 bytes

200 OK 14.30 ms   DETAILS ∨

```
[Array[4]
 - 0: {
       "id": 1,
       "name": "AirJordan 5",
       "category": "BasketBall",
       "price": 5000
     },
 - 1: {
       "id": 2,
       "name": "Shoe Name 02",
       "category": "Football",
       "price": 1100.24
     },
 - 2: {
       "id": 3,
       "name": "Shoe Name 03",
       "category": "Tennis",
       "price": 900.24
     },
 - 3: {
       "id": 4,
       "name": "Shoe Name 04",
       "category": "Basketball",
       "price": 1900.24
     }
],
```

Selected environment: Default

Type here to search

Headers are valid

200 OK 14.30 ms

```
[Array[4]
 - 0: {
       "id": 1,
       "name": "AirJordan 5",
       "category": "BasketBall",
       "price": 5000
     },
 - 1: {
       "id": 2,
```