

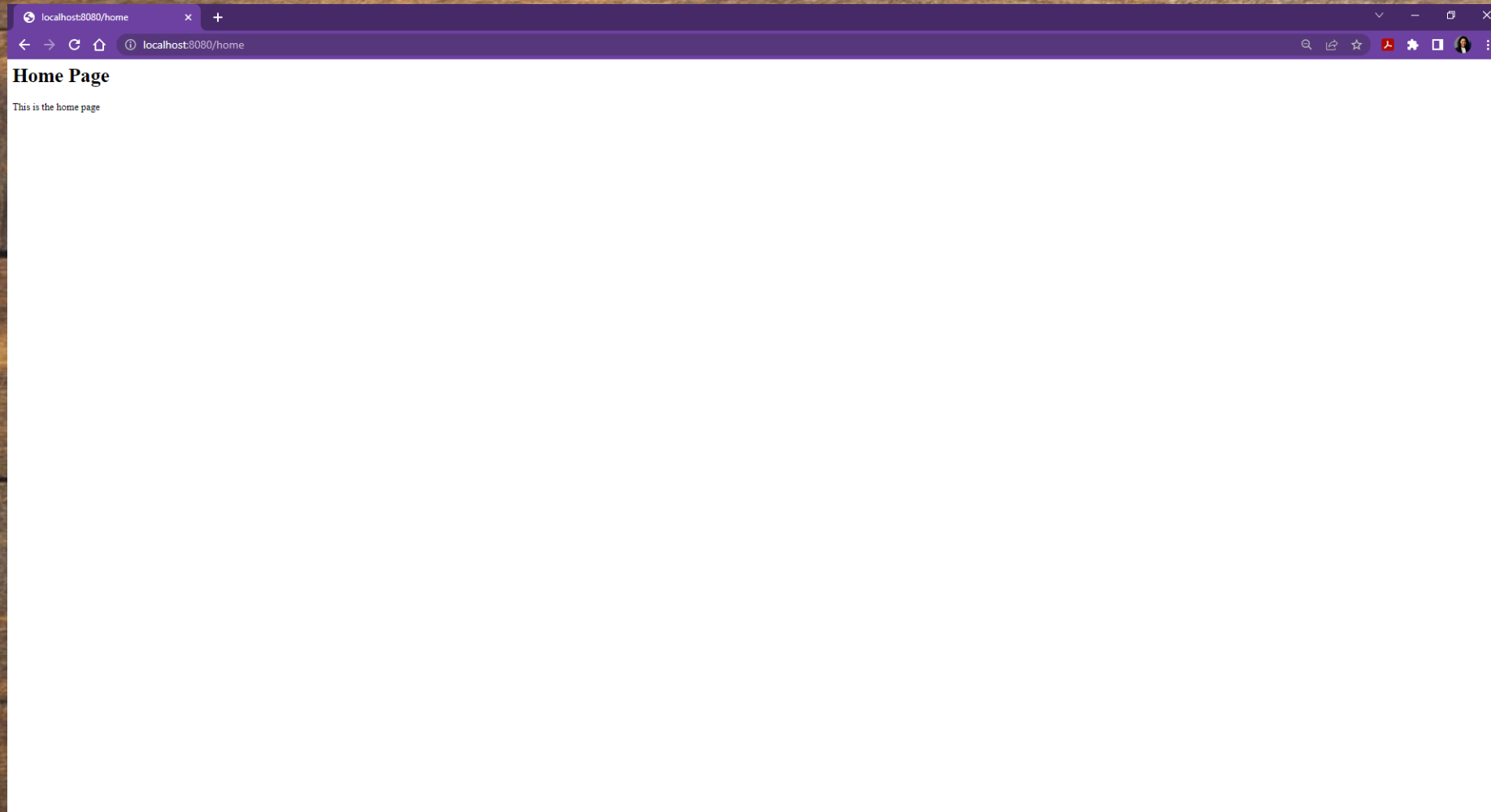


Phase 3 Project
Arsha R Unnithan

Application Screenshots & Testing

Home Page

No restrictions





TESTING THE BACKEND

*with BROWSER as
an ADMIN User*



Note about testing with POSTMAN

1. Provide Basic Auth credentials

localhost:8080/api/admin/users/all

GET localhost:8080/api/admin/users/all

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies

Type Basic A...

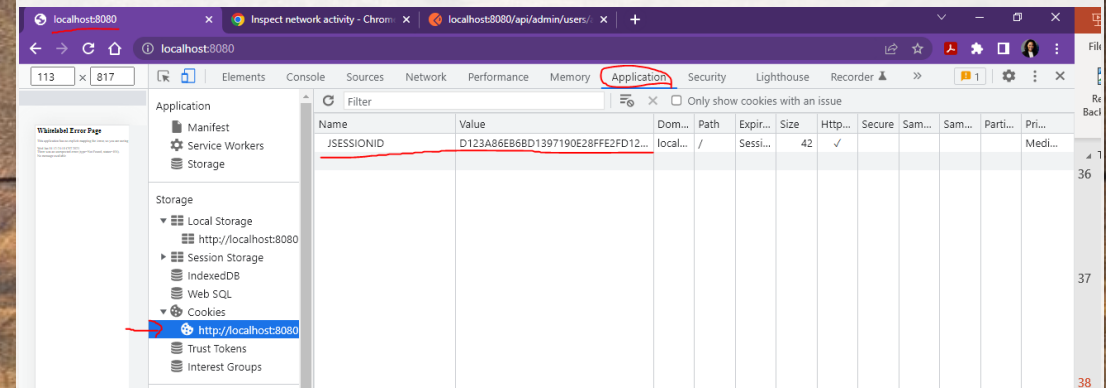
Heads up! These parameters hold sensitive data. To keep this data secure while working in a collaborative environment, we recommend using variables. Learn more about [variables](#).

Username niajester

Password admin123

☒ Show Password

2. Find the JSESSIONID token from localhost (after login successful)



3. Add the JSESSIONID to POSTMAN

localhost:8080/api/admin/users/all

GET localhost:8080/api/admin/users/all

Params Authorization Headers (10) Body Pre-request Script Tests Settings Cookies

Authorization Basic bmlhamVzdGVyOmFkbWluMTIz

Cookie Cookie_1=value; JSESSIONID=16D62F2C5...

Cache-Control no-cache

Postman-Token <calculated when request is sent>

Host <calculated when request is sent>

User-Agent PostmanRuntime/7.30.0

Accept */*

Accept-Encoding gzip, deflate, br

Connection keep-alive

Cookie JSESSIONID=D123A86EB6BD1397190E28...

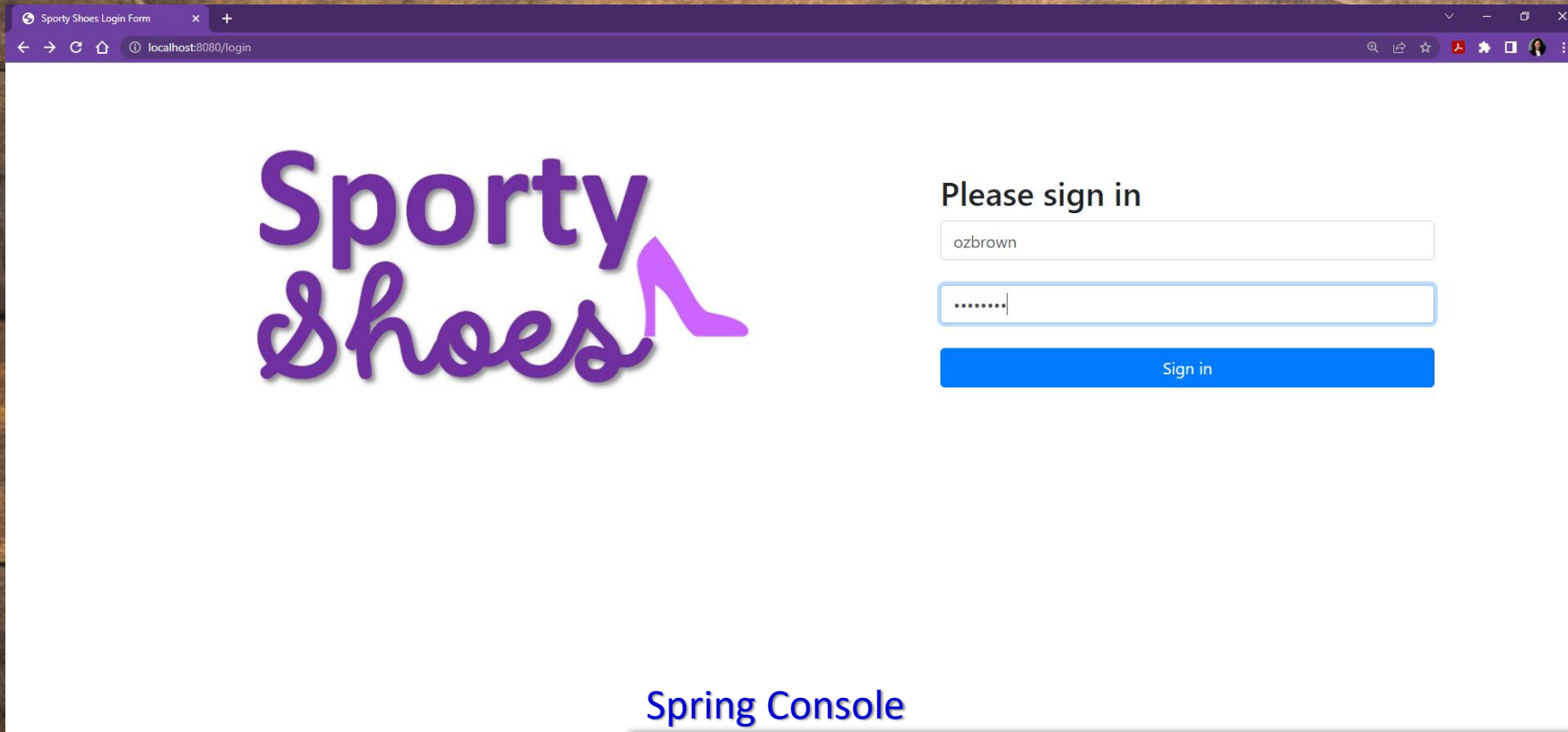
Body Cookies (2) Headers (12) Test Results

200 OK 11 ms 2.49 KB Save Response



Custom Login Page

Logged in as Admin Role



Sporty Shoes Login Form

localhost:8080/login

Sporty Shoes

Please sign in

ozbrown

.....

Sign in

Spring Console

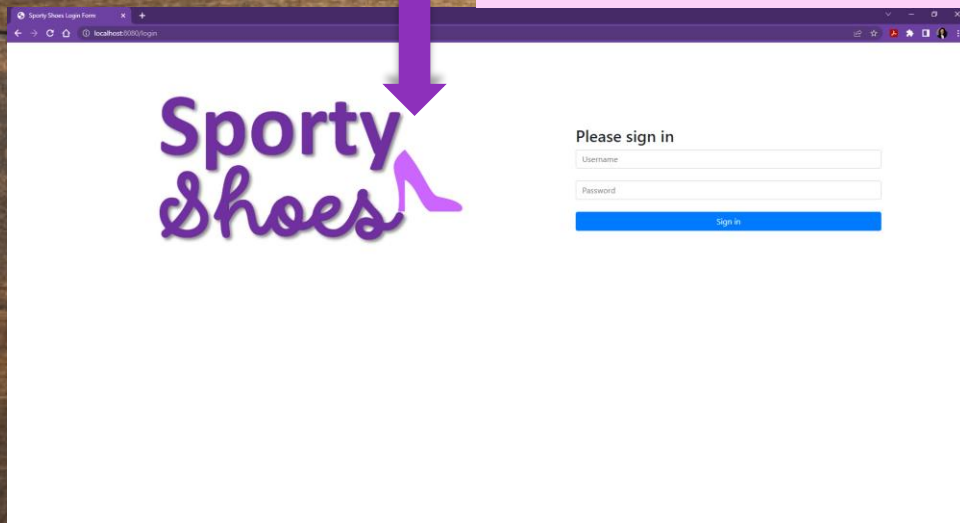
```
Markers Properties Servers Snippets Terminal Console Progress JUnit Console X
SportyShoesBackend - SportyShoesBackendApplication [Spring Boot App] C:\Program Files\Java\jdk-17.0.1\bin\javaw.exe (Jan 1, 2023, 6:57:23 PM) [pid: 32016]
2023-01-01 18:57:32.091 INFO 32016 --- [ restartedMain] d.s.w.p.DocumentationPluginsBootstrapper : Context refreshed
2023-01-01 18:57:32.107 INFO 32016 --- [ restartedMain] d.s.w.p.DocumentationPluginsBootstrapper : Found 1 custom documentation plugin(s)
2023-01-01 18:57:32.134 INFO 32016 --- [ restartedMain] s.d.s.w.s.ApiListingReferenceScanner : Scanning for api listing references
2023-01-01 18:57:32.326 INFO 32016 --- [ restartedMain] c.s.SportyShoesBackendApplication : Started SportyShoesBackendApplication in 6.287 s
2023-01-01 18:57:50.671 INFO 32016 --- [nio-8080-exec-1] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring DispatcherServlet 'dispatcherServlet'
2023-01-01 18:57:50.671 INFO 32016 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Initializing Servlet 'dispatcherServlet'
2023-01-01 18:57:50.673 INFO 32016 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Completed initialization in 2 ms
inside loadUserByUsername()...
username = ozbrown
Hibernate: select user0_.username as username1_9_, user0_.date_created as date_cre2_9_, user0_.email as email3_9_, user0_.enabled as enabled4_9_, use
Found User: User [username=ozbrown, id=7, roleType=ADMIN, firstName=Oswald, lastName=Brown, email=ozbrown@home.com, password=$2a$12$P21w1khdXzMRD3t3U
```



Note about Custom Login Page

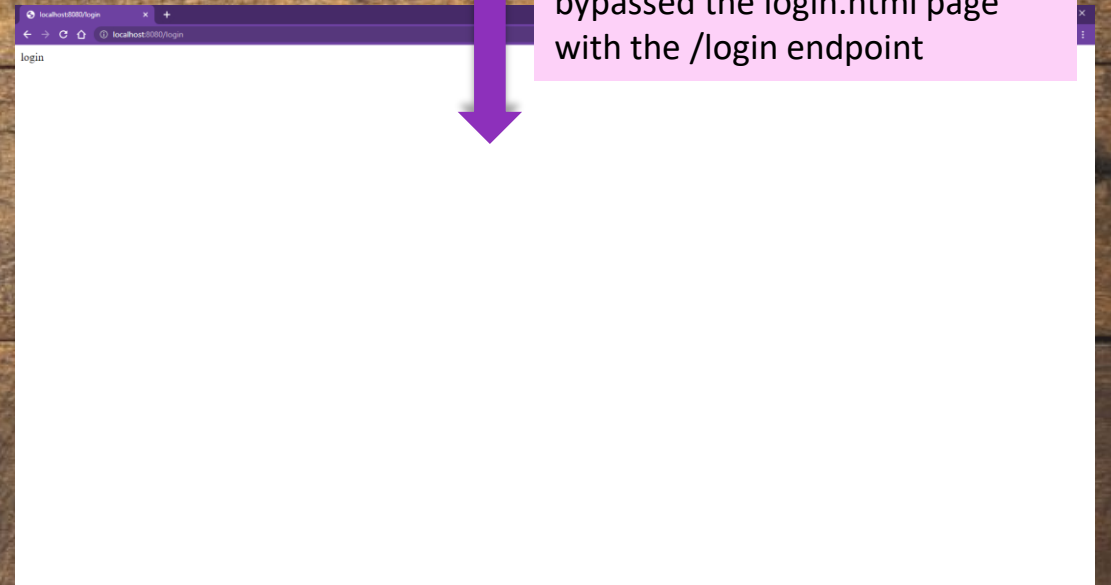
```
1 package com.sportyshoes.restapi.controller;
2
3 import org.springframework.stereotype.Controller;
4 import org.springframework.web.bind.annotation.GetMapping;
5
6 @Controller
7 public class LoginController {
8     /* This endpoint ensures whenever there is an invocation to the login URL (e.g.,
9      http://localhost:8080/login), the login.html page is presented to the user. */
10    @GetMapping("/login")
11    public String login() {
12        return ("login");
13    }
14
15 } //end class
16
```

@Controller annotation allowed for the login.html page to be presented with the /login endpoint



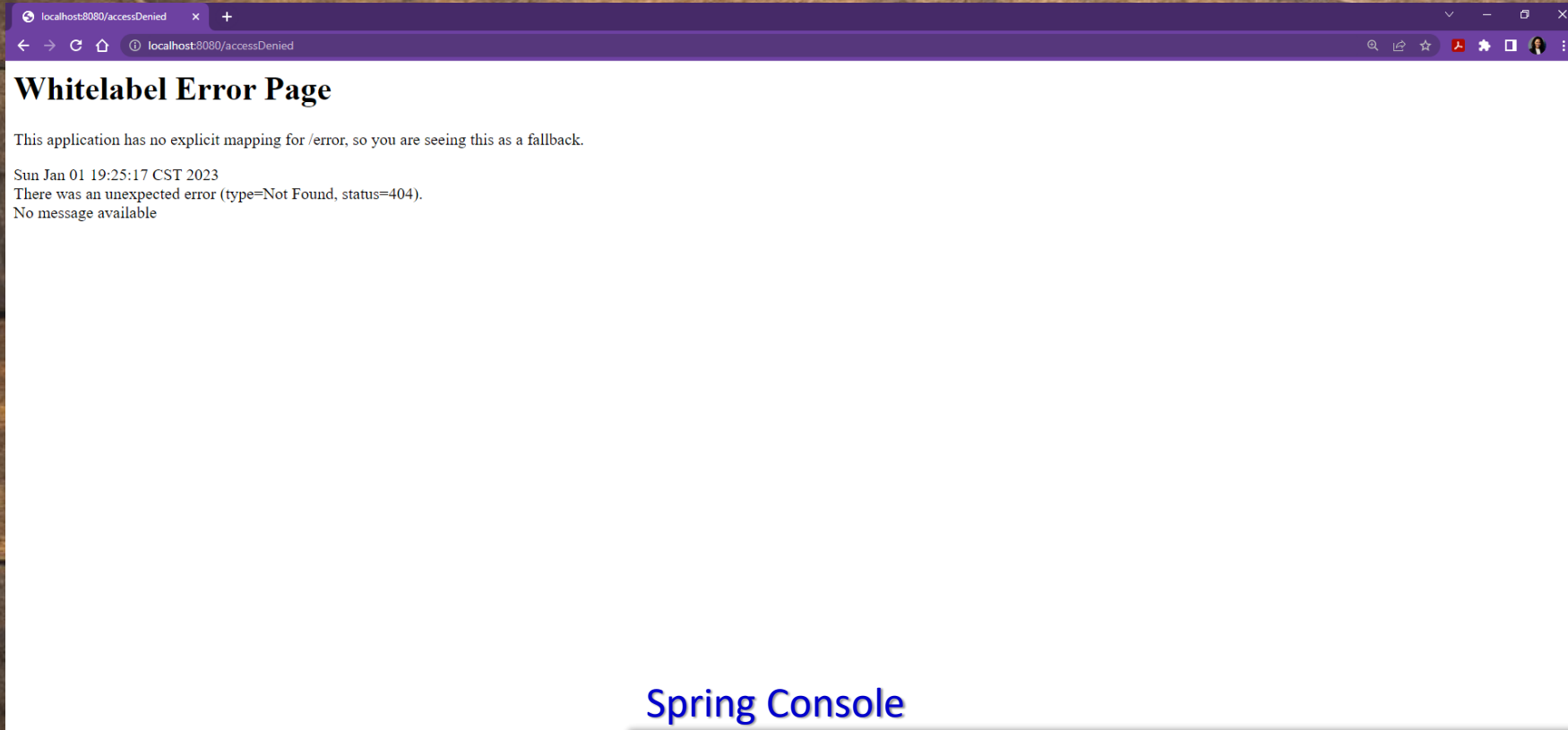
```
1 package com.sportyshoes.restapi.controller;
2
3 import org.springframework.web.bind.annotation.GetMapping;
4 import org.springframework.web.bind.annotation.RestController;
5
6
7 @RestController
8 public class LoginController {
9     /* This endpoint ensures whenever there is an invocation to the login URL (e.g.,
10    http://localhost:8080/login), the login.html page is presented to the user. */
11    @GetMapping("/login")
12    public String login() {
13        return ("login");
14    }
15
16 } //end class
17
```

@RestController annotation allowed for the method String to be printed on the screen and bypassed the login.html page with the /login endpoint



User Page

Logged in as Admin Role



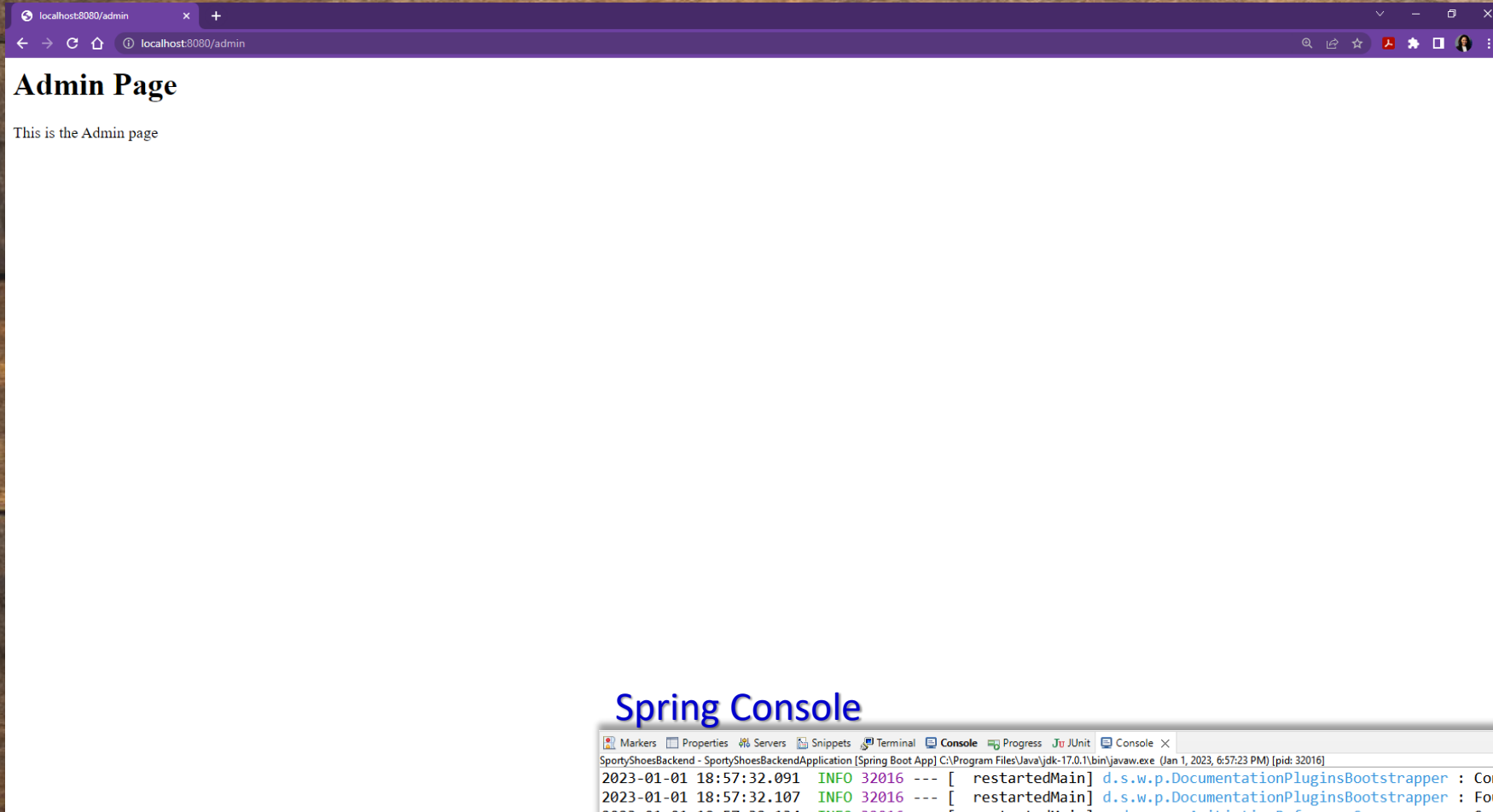
Spring Console

```
Markers Properties Servers Snippets Terminal Console Progress JUnit Console X
SportyShoesBackend - SportyShoesBackendApplication [Spring Boot App] C:\Program Files\Java\jdk-17.0.1\bin\javaw.exe (Jan 1, 2023, 6:57:23 PM) [pid: 32016]
2023-01-01 18:57:32.091 INFO 32016 --- [ restartedMain] d.s.w.p.DocumentationPluginsBootstrapper : Context refreshed
2023-01-01 18:57:32.107 INFO 32016 --- [ restartedMain] d.s.w.p.DocumentationPluginsBootstrapper : Found 1 custom documentation plugin(s)
2023-01-01 18:57:32.134 INFO 32016 --- [ restartedMain] s.d.s.w.s.ApiListingReferenceScanner : Scanning for api listing references
2023-01-01 18:57:32.326 INFO 32016 --- [ restartedMain] c.s.SportyShoesBackendApplication : Started SportyShoesBackendApplication in 6.287 s
2023-01-01 18:57:50.671 INFO 32016 --- [nio-8080-exec-1] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring DispatcherServlet 'dispatcherServlet'
2023-01-01 18:57:50.671 INFO 32016 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Initializing Servlet 'dispatcherServlet'
2023-01-01 18:57:50.673 INFO 32016 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Completed initialization in 2 ms
inside loadUserByUsername()...
username = ozbrown
Hibernate: select user0_.username as username1_9_, user0_.date_created as date_cre2_9_, user0_.email as email3_9_, user0_.enabled as enabled4_9_, use
Found User: User [username=ozbrown, id=7, roleType=ADMIN, firstName=Oswald, lastName=Brown, email=ozbrown@home.com, password=$2a$12$P21w1khdXzMRD3t3U
You are not authorized to perform this action
You are not authorized to perform this action
```



Admin Page

Logged in as Admin Role



Spring Console

```
Markers Properties Servers Snippets Terminal Console Progress JUnit Console X
SportyShoesBackend - SportyShoesBackendApplication [Spring Boot App] C:\Program Files\Java\jdk-17.0.1\bin\javaw.exe (Jan 1, 2023, 6:57:23 PM) [pid: 32016]
2023-01-01 18:57:32.091 INFO 32016 --- [ restartedMain] d.s.w.p.DocumentationPluginsBootstrapper : Context refreshed
2023-01-01 18:57:32.107 INFO 32016 --- [ restartedMain] d.s.w.p.DocumentationPluginsBootstrapper : Found 1 custom documentation plugin(s)
2023-01-01 18:57:32.134 INFO 32016 --- [ restartedMain] s.d.s.w.s.ApiListingReferenceScanner : Scanning for api listing references
2023-01-01 18:57:32.326 INFO 32016 --- [ restartedMain] c.s.SportyShoesBackendApplication : Started SportyShoesBackendApplication in 6.287 s
2023-01-01 18:57:50.671 INFO 32016 --- [nio-8080-exec-1] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring DispatcherServlet 'dispatcherServlet'
2023-01-01 18:57:50.671 INFO 32016 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Initializing Servlet 'dispatcherServlet'
2023-01-01 18:57:50.673 INFO 32016 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Completed initialization in 2 ms
inside loadUserByUserName()...
username = ozbrown
Hibernate: select user0_.username as username1_9_, user0_.date_created as date_cre2_9_, user0_.email as email3_9_, user0_.enabled as enabled4_9_, use
Found User: User [username=ozbrown, id=7, roleType=ADMIN, firstName=Oswald, lastName=Brown, email=ozbrown@home.com, password=$2a$12$P21w1khdXzMRD3t3U
```



Users List: api/admin/users/all

Logged in as Admin Role

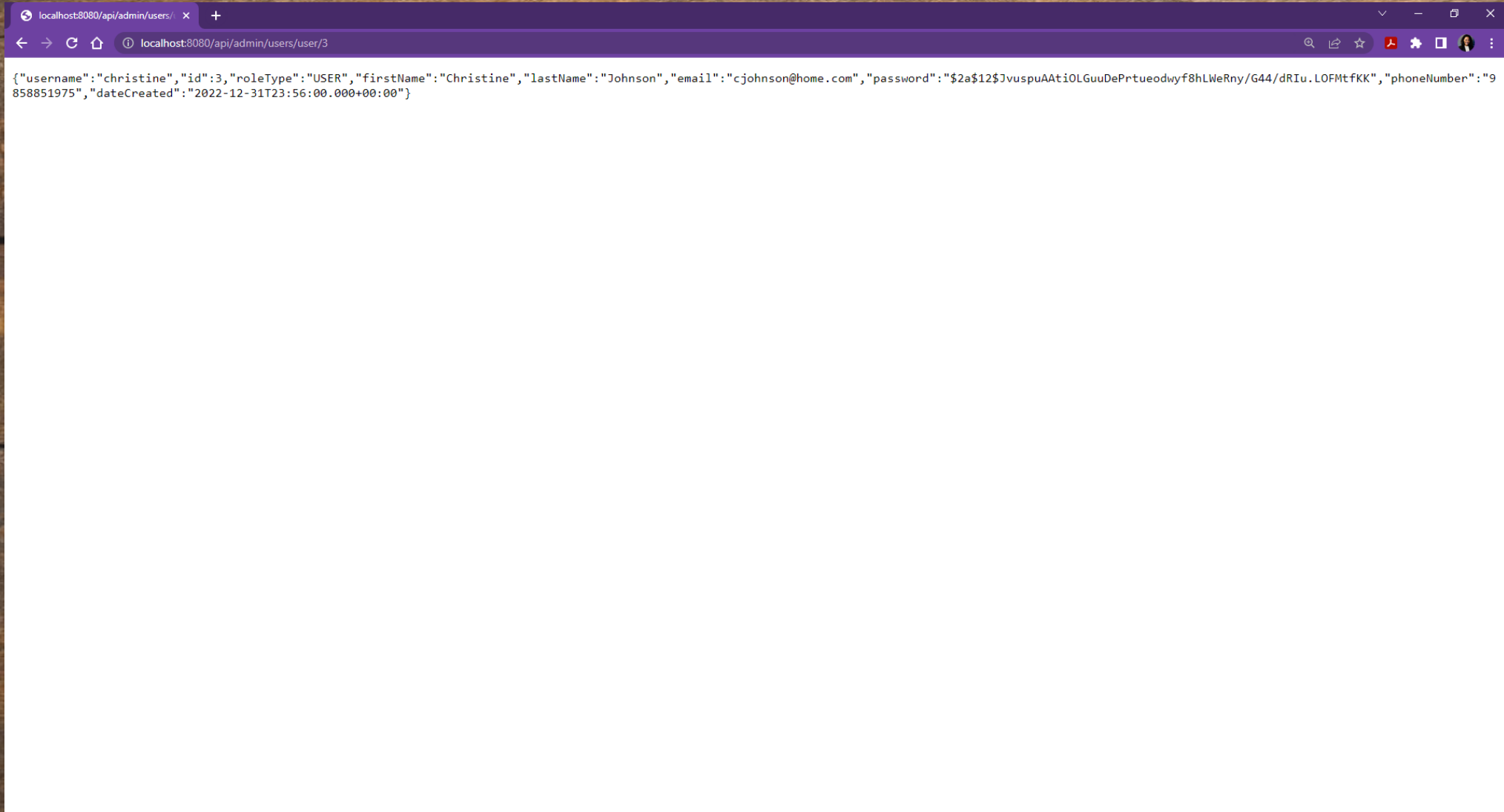
```
localhost8080/api/admin/users/ x +
localhost8080/api/admin/users/all

[{"username":"christine","id":3,"roleType":"USER","firstName":"Christine","lastName":"Johnson","email":"cjohnson@home.com","password":"$2a$12$JvuspuAAtiOLGuuDePrtueodwyf8hLWeRny/G44/dRIu.LOFMtfKK","phoneNumber":"9858851975","dateCreated":"2022-12-31T23:56:00.000+00:00"},
{"username":"clementine","id":4,"roleType":"USER","firstName":"Clementine","lastName":"Bauch","email":"bauchc@home.com","password":"$2a$12$JvuspuAAtiOLGuuDePrtueodwyf8hLWeRny/G44/dRIu.LOFMtfKK","phoneNumber":"6059902842","dateCreated":"2022-12-31T23:56:00.000+00:00"},
{"username":"jasen","id":2,"roleType":"USER","firstName":"Jasen","lastName":"Jester","email":"jasen@home.com","password":"$2a$12$JvuspuAAtiOLGuuDePrtueodwyf8hLWeRny/G44/dRIu.LOFMtfKK","phoneNumber":"8783019215","dateCreated":"2022-12-31T23:56:00.000+00:00"},
{"username":"monica","id":6,"roleType":"USER","firstName":"Monica","lastName":"Sharp","email":"msharp@home.com","password":"$2a$12$JvuspuAAtiOLGuuDePrtueodwyf8hLWeRny/G44/dRIu.LOFMtfKK","phoneNumber":"4062991259","dateCreated":"2022-12-31T23:56:00.000+00:00"},
{"username":"msmith","id":8,"roleType":"USER","firstName":"Michael","lastName":"Smith","email":"michael@home.com","password":"$2a$12$JvuspuAAtiOLGuuDePrtueodwyf8hLWeRny/G44/dRIu.LOFMtfKK","phoneNumber":"7604129733","dateCreated":"2022-12-31T23:56:00.000+00:00"},
{"username":"niajester","id":1,"roleType":"ADMIN","firstName":"Nia","lastName":"Kelley Jester","email":"nia@home.com","password":"$2a$12$P21wlkhdXzMRD3t3UHTnx.Y3sninurN3Q4EH04F7LU8vD/zChj0S","phoneNumber":"7450495098","dateCreated":"2022-12-31T23:54:28.000+00:00"},
{"username":"ozbrown","id":7,"roleType":"ADMIN","firstName":"Oswald","lastName":"Brown","email":"ozbrown@home.com","password":"$2a$12$P21wlkhdXzMRD3t3UHTnx.Y3sninurN3Q4EH04F7LU8vD/zChj0S","phoneNumber":"9015753955","dateCreated":"2022-12-31T23:56:00.000+00:00"},
{"username":"patw","id":5,"roleType":"USER","firstName":"Patricia","lastName":"Weissnat","email":"patweissnat@home.com","password":"$2a$12$JvuspuAAtiOLGuuDePrtueodwyf8hLWeRny/G44/dRIu.LOFMtfKK","phoneNumber":"4316974631","dateCreated":"2022-12-31T23:56:00.000+00:00"}]
```



Single User: api/admin/users/user/3

Logged in as Admin Role



```
{
  "username": "christine",
  "id": 3,
  "roleType": "USER",
  "firstName": "Christine",
  "lastName": "Johnson",
  "email": "cjohnson@home.com",
  "password": "$2a$12$JvuspuAAtiOLGuuDePrtueodwyf8hLWeRny/G44/dRIu.LOFMtFKK",
  "phoneNumber": "9858851975",
  "dateCreated": "2022-12-31T23:56:00.000+00:00"
}
```



Products List: api/admin/products/all

Logged in as Admin Role

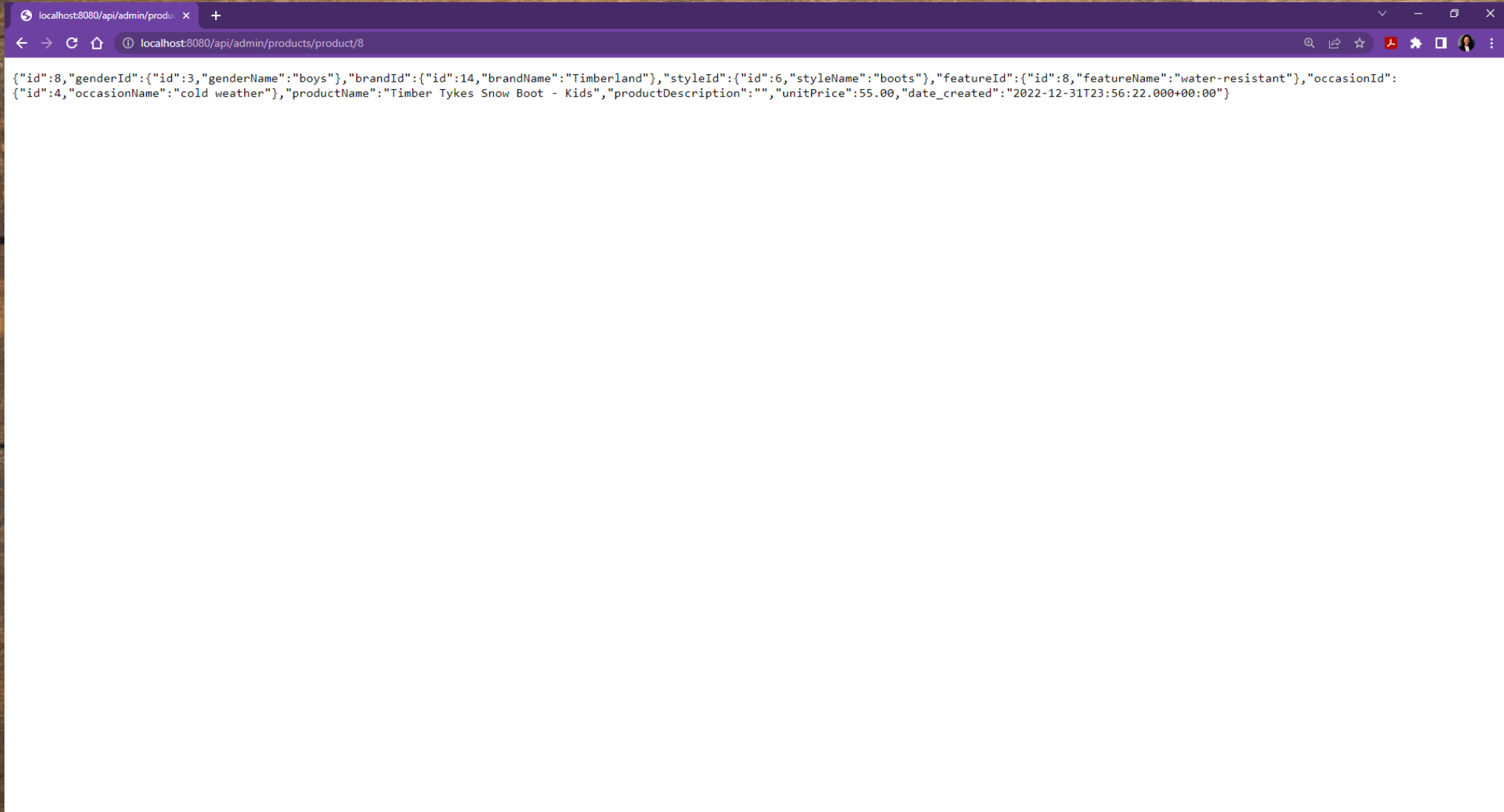
```
localhost8080/api/admin/produ x +
localhost8080/api/admin/products/all

[{"id":1,"genderId":{"id":1,"genderName":"women"},"brandId":{"id":12,"brandName":"Anne Klein"},"styleId":{"id":7,"styleName":"flats"},"featureId":{"id":2,"featureName":"comfort"},"occasionId":{"id":3,"occasionName":"casual"},"productName":"Domani Sandal","productDescription":"Surround your foot with the casual care-free style of the Domani flat sandal from Anne Klein. Designed with iFlex technology for 90-degree sole bendability, this slide sandal boasts of an elegant knot detail at the front that expresses chill vibes. ","unitPrice":60.00,"date_created":"2022-12-31T23:56:22.000+00:00"},"{"id":2,"genderId":{"id":1,"genderName":"women"},"brandId":{"id":15,"brandName":"Vince Camuto"},"styleId":{"id":6,"styleName":"boots"},"featureId":{"id":10,"featureName":"padded footbed"},"occasionId":{"id":6,"occasionName":"fashion & street"},"productName":"AREN DIE BOOT","productDescription":"You cannot go wrong with a classic look, and the Arendie boot by Vince Camuto proves it with its suede construction and sleek silhouette that bring timeless flair to your favorite ensembles. While its look draws you in, the padded footbed and mesh lining ensure a comfortable fit to keep you going. ","unitPrice":229.00,"date_created":"2022-12-31T23:56:22.000+00:00"},"{"id":3,"genderId":{"id":1,"genderName":"women"},"brandId":{"id":8,"brandName":"Cole Haan"},"styleId":{"id":9,"styleName":"loafers"},"featureId":{"id":2,"featureName":"comfort"},"occasionId":{"id":1,"occasionName":"athleisure"},"productName":"Knit OG Grand Wingtip Oxford","productDescription":"Bring a menswear-inspired vibe to your look with the Knit OG Grand wingtip oxford from Cole Haan. These knitted lace-ups are completed with GRAND.OS cushioning and a flexible rubber sole to accompany your active lifestyle. ","unitPrice":150.00,"date_created":"2022-12-31T23:56:22.000+00:00"},"{"id":4,"genderId":{"id":1,"genderName":"women"},"brandId":{"id":9,"brandName":"Kelly & Katie"},"styleId":{"id":8,"styleName":"pump"},"featureId":{"id":2,"featureName":"comfort"},"occasionId":{"id":10,"occasionName":"business"},"productName":"Misha Pump","productDescription":"Balanced on a mid-height heel that feels just right, the Misha pump from Kelly & Katie serves up a timeless silhouette in of-the-moment uppers that matches the needs of your rotating closet. ","unitPrice":79.00,"date_created":"2022-12-31T23:56:22.000+00:00"},"{"id":5,"genderId":{"id":2,"genderName":"men"},"brandId":{"id":7,"brandName":"Adidas"},"styleId":{"id":2,"styleName":"running"},"featureId":{"id":10,"featureName":"padded footbed"},"occasionId":{"id":5,"occasionName":"fitness & active"},"productName":"70s Running Shoe","productDescription":"Hit the track with ease in the retro-inspired Run 70s running shoe from adidas. This mixed suede & textile design proves sturdy, while the foam midsole and full-rubber sole with traction pods provides padding and grip to keep you moving. ","unitPrice":65.00,"date_created":"2022-12-31T23:56:22.000+00:00"},"{"id":6,"genderId":{"id":2,"genderName":"men"},"brandId":{"id":15,"brandName":"Vince Camuto"},"styleId":{"id":9,"styleName":"loafers"},"featureId":{"id":2,"featureName":"comfort"},"occasionId":{"id":10,"occasionName":"business"},"productName":"Ethen Oxford","productDescription":"The Ethen Oxford from Vince Camuto can effortlessly be dressed up or down thanks to its versatile silhouette. The sneaker-inspired sole complements the smooth leather upper and lace-up design for your new favorite pair. ","unitPrice":139.00,"date_created":"2022-12-31T23:56:22.000+00:00"},"{"id":7,"genderId":{"id":2,"genderName":"men"},"brandId":{"id":8,"brandName":"Cole Haan"},"styleId":{"id":6,"styleName":"boots"},"featureId":{"id":2,"featureName":"comfort"},"occasionId":{"id":3,"occasionName":"casual"},"productName":"Grand Atlantic Chukka Boot","productDescription":"Looking for the right mix of style and functionality? Then choose the Cole Haan Grand Atlantic chukka boot. The water-resistant leather, lace-up front, comfort-enhancing fully padded sock lining, EVA sole with ultimate cushioning technology and rubber pods in heel and toe complete this ankle boot. ","unitPrice":240.00,"date_created":"2022-12-31T23:56:22.000+00:00"},"{"id":8,"genderId":{"id":3,"genderName":"boys"},"brandId":{"id":14,"brandName":"Timberland"},"styleId":{"id":6,"styleName":"boots"},"featureId":{"id":8,"featureName":"water-resistant"},"occasionId":{"id":4,"occasionName":"cold weather"},"productName":"Timber Tykes Snow Boot - Kids","productDescription":"","unitPrice":55.00,"date_created":"2022-12-31T23:56:22.000+00:00"},"{"id":9,"genderId":{"id":3,"genderName":"boys"},"brandId":{"id":5,"brandName":"VANS"},"styleId":{"id":1,"styleName":"sneaker"},"featureId":{"id":10,"featureName":"padded footbed"},"occasionId":{"id":3,"occasionName":"casual"},"productName":"Ward Sneaker - Kids","productDescription":"Keep the little foot warm and cozy in the Timber Tykes snow boot from Timberland. The Splash Blaster protective coating and OrthoLite footbed elevate the comfort and offer protection. ","unitPrice":50.00,"date_created":"2022-12-31T23:56:22.000+00:00"},"{"id":10,"genderId":{"id":4,"genderName":"girls"},"brandId":{"id":9,"brandName":"Kelly & Katie"},"styleId":{"id":7,"styleName":"flats"},"featureId":{"id":2,"featureName":"comfort"},"occasionId":{"id":6,"occasionName":"fashion & street"},"productName":"Fiona Flat - Kids","productDescription":"Classy and a little bit sassy, the Fiona flat from Kelly & Katie keeps your little one looking charming. Glittery accents on the cap toe and slim heel complement the subtle bow accent for their new favorite for dances and parties. ","unitPrice":30.00,"date_created":"2022-12-31T23:56:22.000+00:00"}]
```



Single Product: api/admin/products/product/8

Logged in as Admin Role



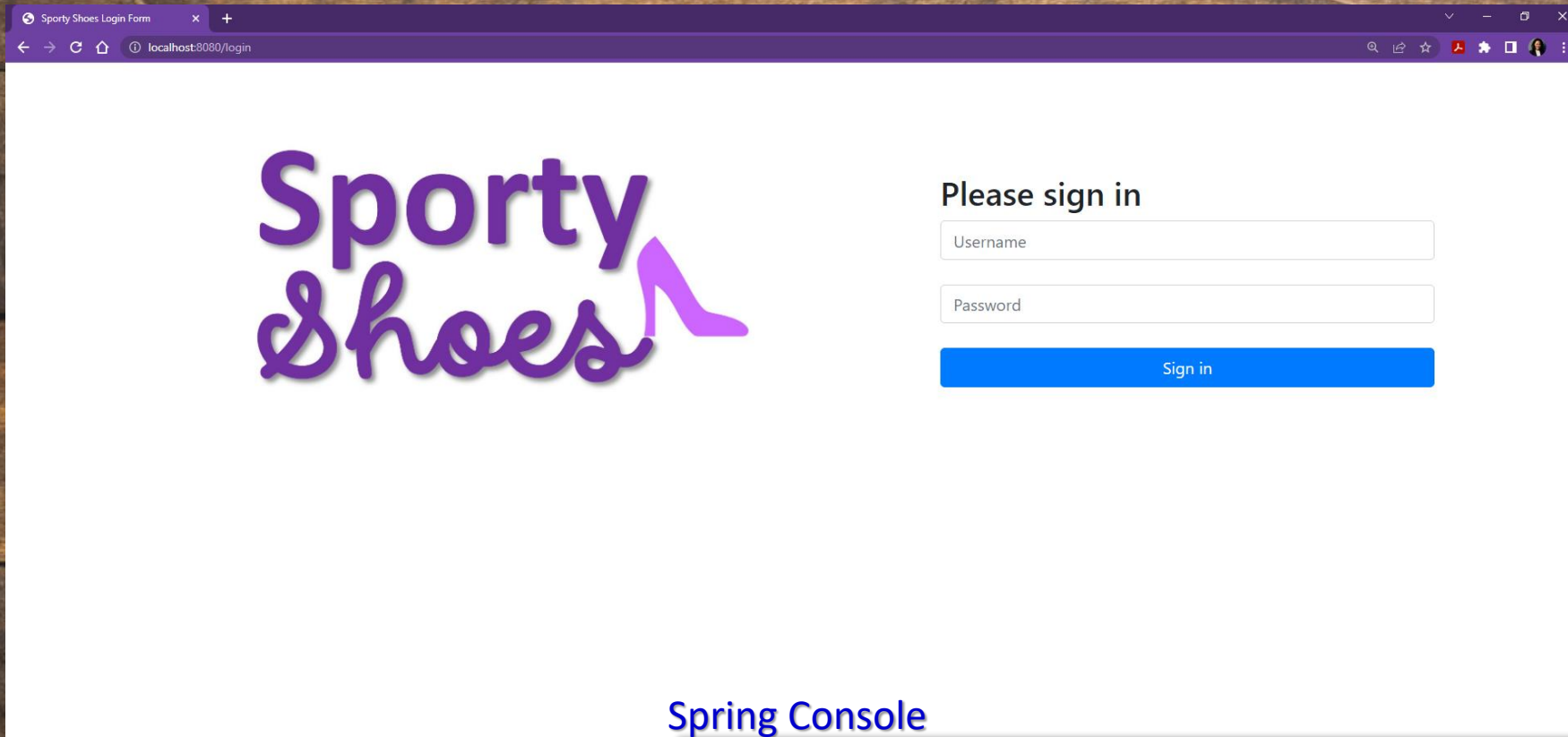
A screenshot of a web browser window displaying a JSON response for a single product. The browser's address bar shows the URL `localhost8080/api/admin/products/product/8`. The JSON data is as follows:

```
{
  "id": 8,
  "genderId": {
    "id": 3,
    "genderName": "boys"
  },
  "brandId": {
    "id": 14,
    "brandName": "Timberland"
  },
  "styleId": {
    "id": 6,
    "styleName": "boots"
  },
  "featureId": {
    "id": 8,
    "featureName": "water-resistant"
  },
  "occasionId": {
    "id": 4,
    "occasionName": "cold weather"
  },
  "productName": "Timber Tykes Snow Boot - Kids",
  "productDescription": "",
  "unitPrice": 55.00,
  "date_created": "2022-12-31T23:56:22.000+00:00"
}
```



Logout Page (redirects to Login Page)

Logged out as Admin Role



Sporty Shoes

Please sign in

Username

Password

Sign in

Spring Console

```
Markers Properties Servers Snippets Terminal Console Progress JUnit Console X
SportyShoesBackend - SportyShoesBackendApplication [Spring Boot App] C:\Program Files\Java\jdk-17.0.1\bin\javaw.exe (Jan 1, 2023, 6:57:23 PM) [pid: 32016]
Hibernate: select gender0_.gender_id as gender_i1_2_0_, gender0_.gender_name as gender_n2_2_0_ from genders gender0_ where gender0_.gender_id=?
Hibernate: select occasion0_.occasion_id as occasion1_3_0_, occasion0_.occasion_name as occasion2_3_0_ from occasions occasion0_ where occasion0_.o
Hibernate: select brand0_.brand_id as brand_id1_0_0_, brand0_.brand_name as brand_na2_0_0_ from brands brand0_ where brand0_.brand_id=?
Hibernate: select style0_.style_id as style_id1_8_0_, style0_.style_name as style_na2_8_0_ from styles style0_ where style0_.style_id=?
Hibernate: select gender0_.gender_id as gender_i1_2_0_, gender0_.gender_name as gender_n2_2_0_ from genders gender0_ where gender0_.gender_id=?
Hibernate: select product0_.product_id as product_1_6_, product0_.brand_id as brand_id6_6_, product0_.date_created as date_cre2_6_, product0_.featu
Hibernate: select brand0_.brand_id as brand_id1_0_0_, brand0_.brand_name as brand_na2_0_0_ from brands brand0_ where brand0_.brand_id=?
Hibernate: select feature0_.feature_id as feature_1_1_0_, feature0_.feature_name as feature_2_1_0_ from features feature0_ where feature0_.feature
Hibernate: select gender0_.gender_id as gender_i1_2_0_, gender0_.gender_name as gender_n2_2_0_ from genders gender0_ where gender0_.gender_id=?
Hibernate: select occasion0_.occasion_id as occasion1_3_0_, occasion0_.occasion_name as occasion2_3_0_ from occasions occasion0_ where occasion0_.o
Hibernate: select style0_.style_id as style_id1_8_0_, style0_.style_name as style_na2_8_0_ from styles style0_ where style0_.style_id=?
Hibernate: select user0_.username as username1_9_, user0_.date_created as date_cre2_9_, user0_.email as email3_9_, user0_.enabled as enabled4_9_, u
This user logged out: ozbrown
```





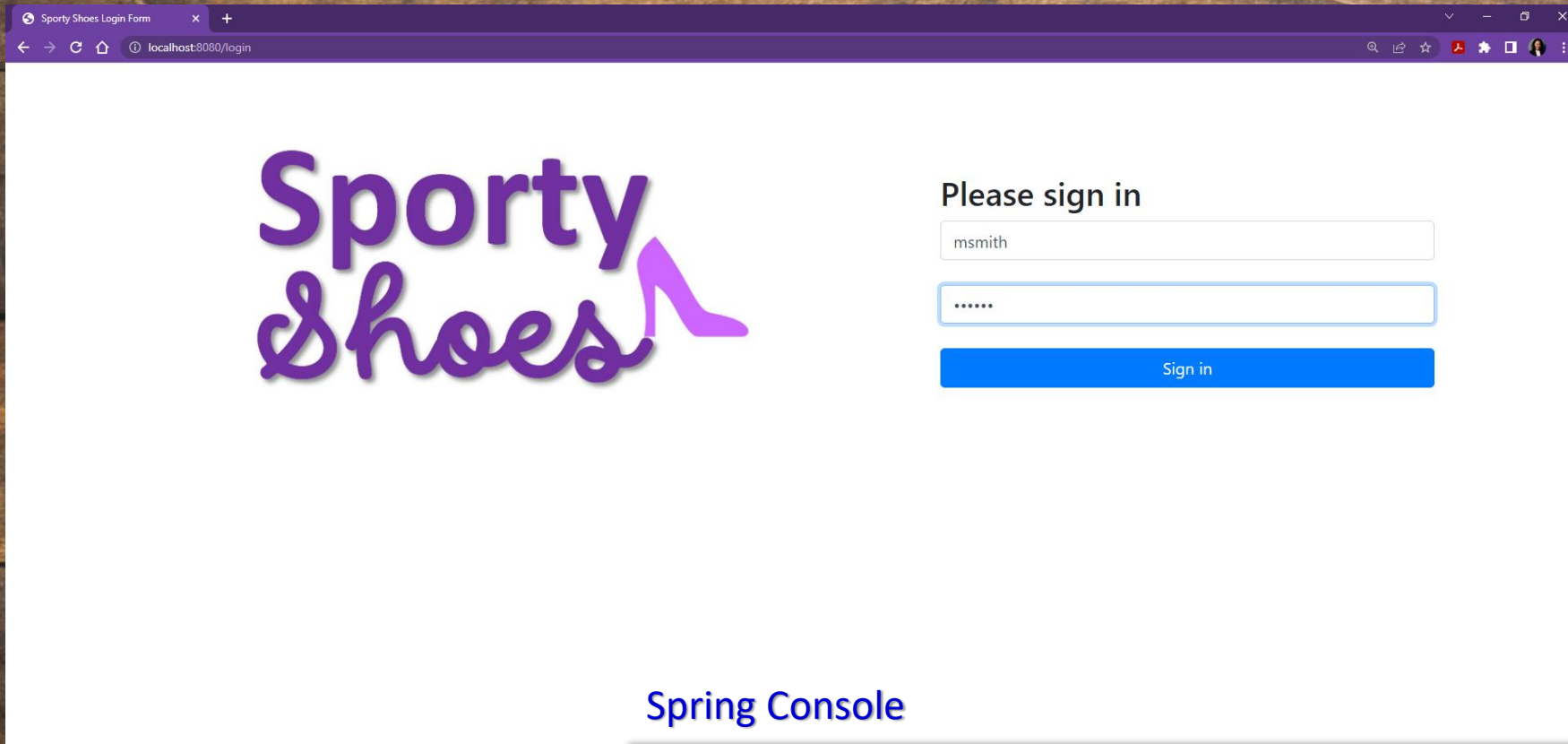
TESTING THE BACKEND

*with BROWSER as
a User Role*



Custom Login Page

Logged in as User Role



Sporty Shoes

Please sign in

msmith

.....

Sign in

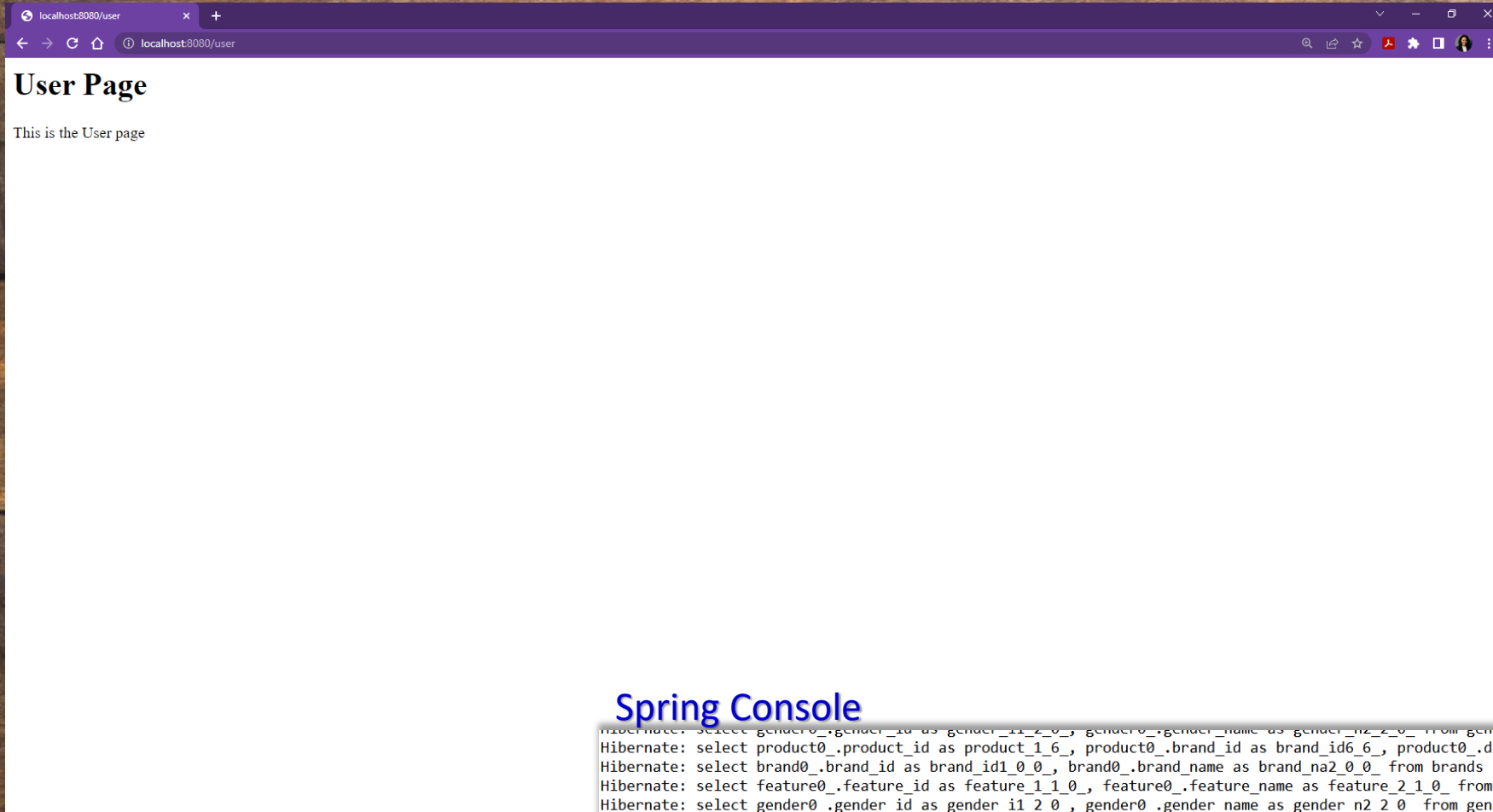
Spring Console

```
Hibernate: select gender0_.gender_id as gender_i1_2_0_, gender0_.gender_name as gender_n2_2_0_ from genders gender0_ where gender0_.gender_id=?
Hibernate: select product0_.product_id as product_1_6_, product0_.brand_id as brand_id6_6_, product0_.date_created as date_cre2_6_, product0_.feature
Hibernate: select brand0_.brand_id as brand_id1_0_0_, brand0_.brand_name as brand_na2_0_0_ from brands brand0_ where brand0_.brand_id=?
Hibernate: select feature0_.feature_id as feature_1_1_0_, feature0_.feature_name as feature_2_1_0_ from features feature0_ where feature0_.feature_id=?
Hibernate: select gender0_.gender_id as gender_i1_2_0_, gender0_.gender_name as gender_n2_2_0_ from genders gender0_ where gender0_.gender_id=?
Hibernate: select occasion0_.occasion_id as occasion1_3_0_, occasion0_.occasion_name as occasion2_3_0_ from occasions occasion0_ where occasion0_.occ
Hibernate: select style0_.style_id as style_id1_8_0_, style0_.style_name as style_na2_8_0_ from styles style0_ where style0_.style_id=?
Hibernate: select user0_.username as username1_9_, user0_.date_created as date_cre2_9_, user0_.email as email3_9_, user0_.enabled as enabled4_9_, use
This user logged out: ozbrown
inside loadUserByUsername()...
username = msmith
Hibernate: select user0_.username as username1_9_, user0_.date_created as date_cre2_9_, user0_.email as email3_9_, user0_.enabled as enabled4_9_, use
Found User: User [username=msmith, id=8, roleType=USER, firstName=Michael, lastName=Smith, email=michael@home.com, password=$2a$12$JvuspuAAtiOLGuuDeP
```



User Page

Logged in as User Role



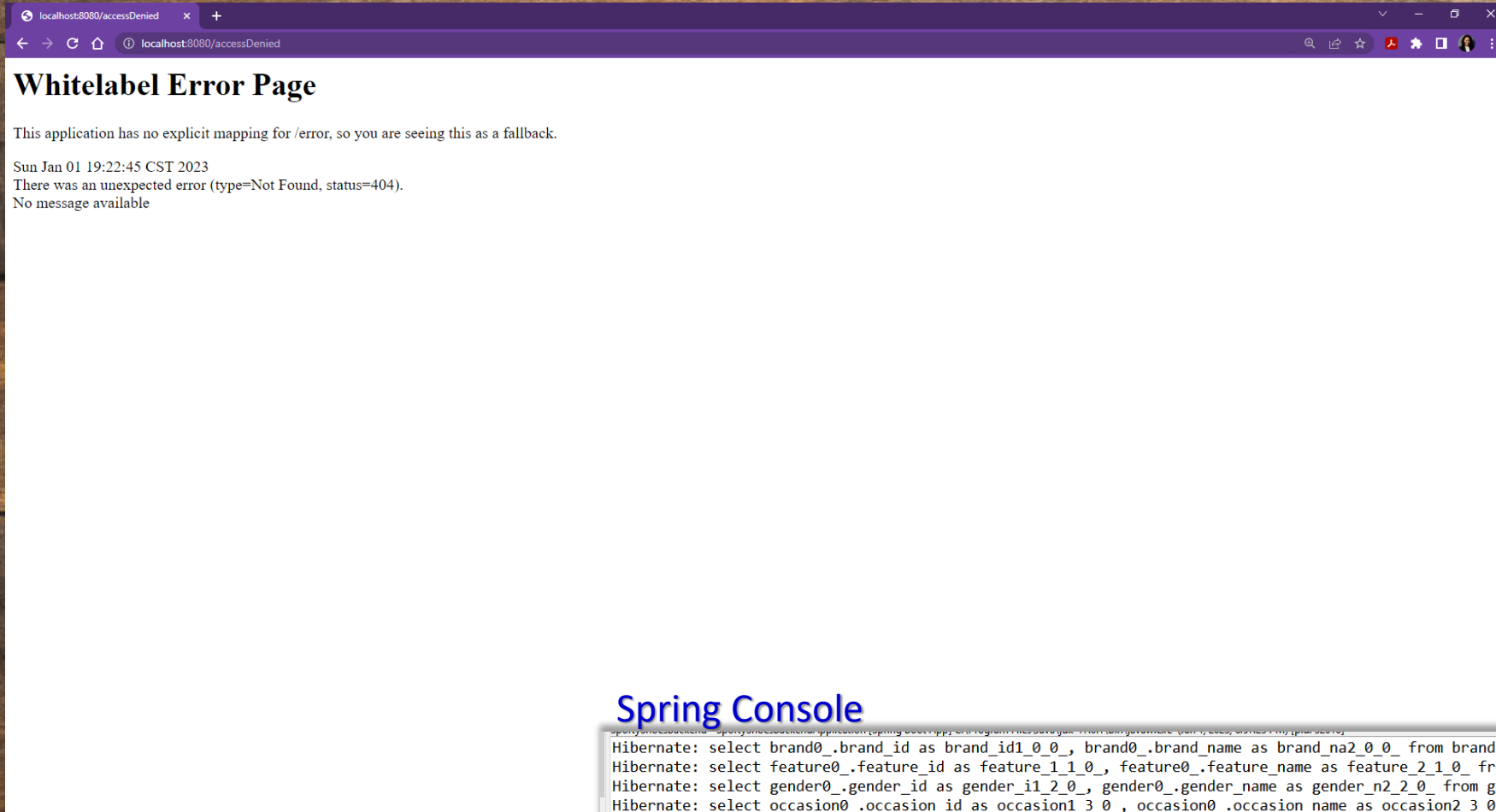
Spring Console

```
Hibernate: select gender0_.gender_id as gender_11_2_0_, gender0_.gender_name as gender_n2_2_0_ from genders gender0_ where gender0_.gender_id=?
Hibernate: select product0_.product_id as product_1_6_, product0_.brand_id as brand_id6_6_, product0_.date_created as date_cre2_6_, product0_.feature
Hibernate: select brand0_.brand_id as brand_id1_0_0_, brand0_.brand_name as brand_na2_0_0_ from brands brand0_ where brand0_.brand_id=?
Hibernate: select feature0_.feature_id as feature_1_1_0_, feature0_.feature_name as feature_2_1_0_ from features feature0_ where feature0_.feature_id=?
Hibernate: select gender0_.gender_id as gender_i1_2_0_, gender0_.gender_name as gender_n2_2_0_ from genders gender0_ where gender0_.gender_id=?
Hibernate: select occasion0_.occasion_id as occasion1_3_0_, occasion0_.occasion_name as occasion2_3_0_ from occasions occasion0_ where occasion0_.occ
Hibernate: select style0_.style_id as style_id1_8_0_, style0_.style_name as style_na2_8_0_ from styles style0_ where style0_.style_id=?
Hibernate: select user0_.username as username1_9_, user0_.date_created as date_cre2_9_, user0_.email as email3_9_, user0_.enabled as enabled4_9_, use
This user logged out: ozbrown
inside loadUserByUserName()...
username = msmith
Hibernate: select user0_.username as username1_9_, user0_.date_created as date_cre2_9_, user0_.email as email3_9_, user0_.enabled as enabled4_9_, use
Found User: User [username=msmith, id=8, roleType=USER, firstName=Michael, lastName=Smith, email=michael@home.com, password=$2a$12$JvuspuAAtiOLGuuDeP
```



Admin Page

Logged in as User Role



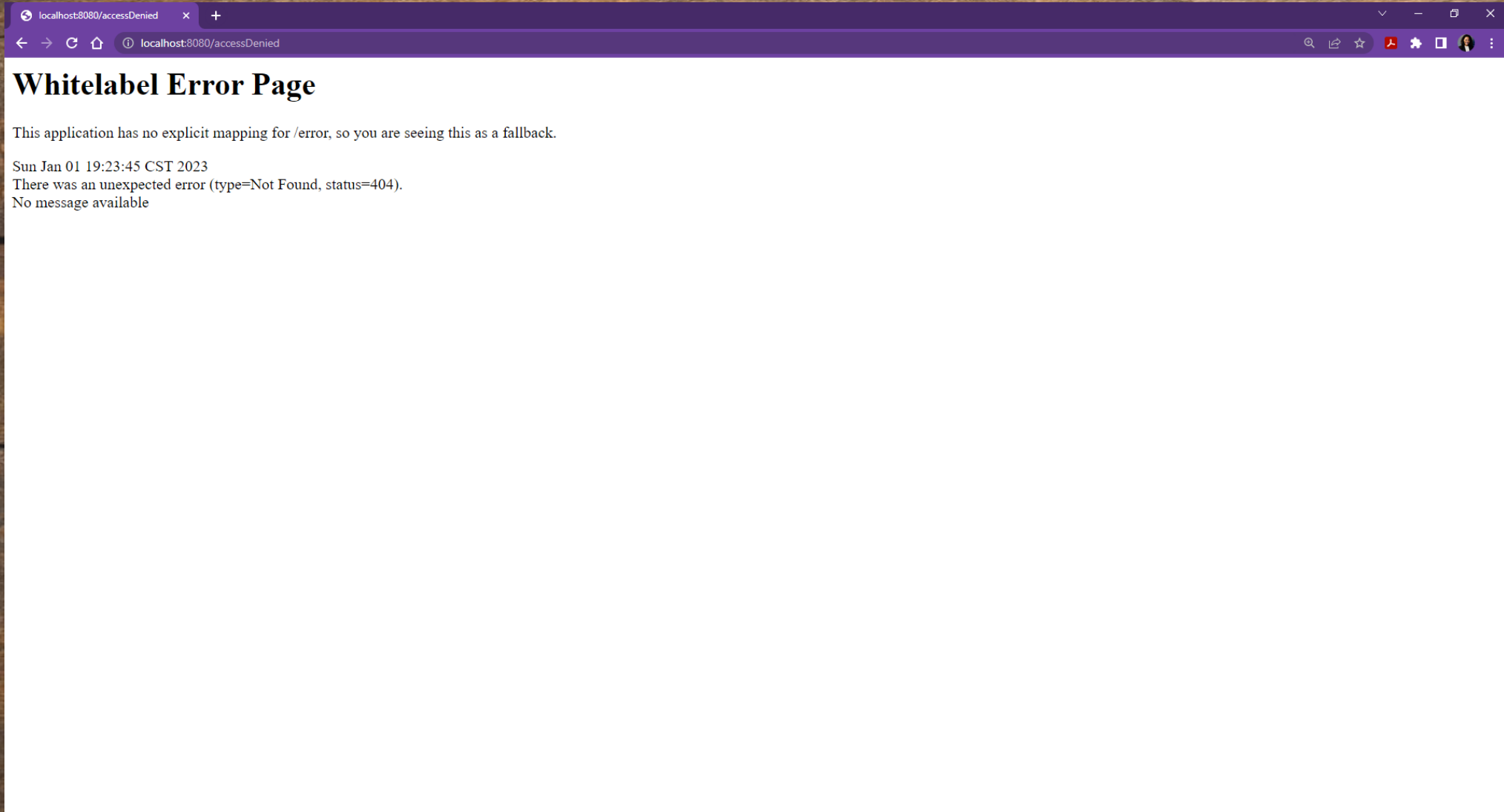
Spring Console

```
Spring Console
Hibernate: select brand0_.brand_id as brand_id1_0_, brand0_.brand_name as brand_na2_0_0_ from brands brand0_ where brand0_.brand_id=?
Hibernate: select feature0_.feature_id as feature_1_1_0_, feature0_.feature_name as feature_2_1_0_ from features feature0_ where feature0_.feature_id=?
Hibernate: select gender0_.gender_id as gender_i1_2_0_, gender0_.gender_name as gender_n2_2_0_ from genders gender0_ where gender0_.gender_id=?
Hibernate: select occasion0_.occasion_id as occasion1_3_0_, occasion0_.occasion_name as occasion2_3_0_ from occasions occasion0_ where occasion0_.occasion_id=?
Hibernate: select style0_.style_id as style_id1_8_0_, style0_.style_name as style_na2_8_0_ from styles style0_ where style0_.style_id=?
Hibernate: select user0_.username as username1_9_, user0_.date_created as date_cre2_9_, user0_.email as email3_9_, user0_.enabled as enabled4_9_, user0_.password as password5_9_ from users user0_ where user0_.username=?
This user logged out: ozbrown
inside loadUserByUserName()...
username = msmith
Hibernate: select user0_.username as username1_9_, user0_.date_created as date_cre2_9_, user0_.email as email3_9_, user0_.enabled as enabled4_9_, user0_.password as password5_9_ from users user0_ where user0_.username=?
Found User: User [username=msmith, id=8, roleType=USER, firstName=Michael, lastName=Smith, email=michael@home.com, password=$2a$12$JvuspuAAtiOLGuul...
You are not authorized to perform this action
```



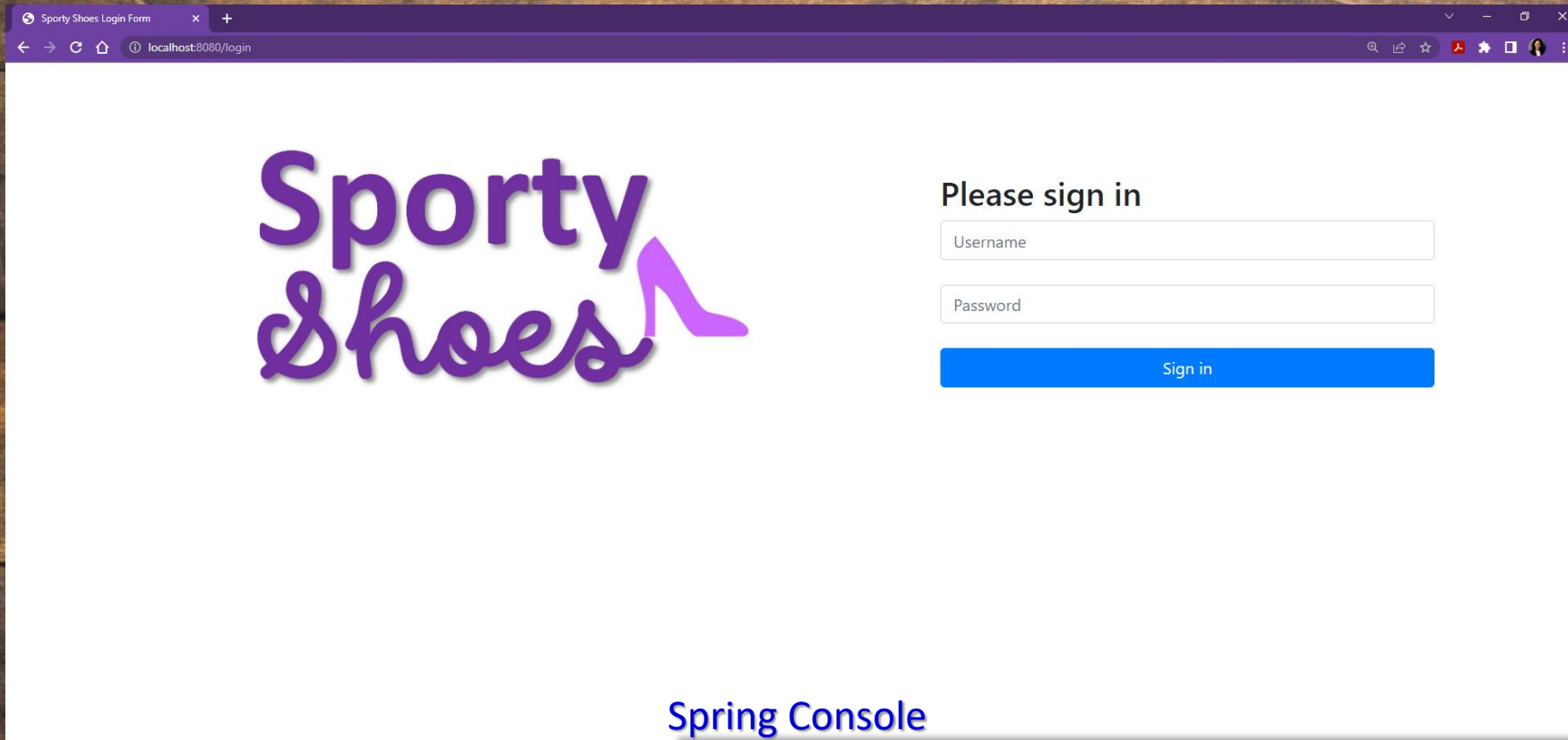
Users List: api/admin/users/all

Logged in as User Role



Logout Page (redirects to Login Page)

Logged out as User Role



The screenshot shows a web browser window with the title "Sporty Shoes Login Form". The address bar shows "localhost:8080/login". The page features the "Sporty Shoes" logo on the left, which includes a purple high-heeled shoe icon. On the right, there is a sign-in form with the heading "Please sign in". The form contains two input fields: "Username" and "Password", followed by a blue "Sign in" button.

Spring Console

```
Markers Properties Servers Snippets Terminal Console Progress JUnit Console X
SportyShoesBackend - SportyShoesBackendApplication [Spring Boot App] C:\Program Files\Java\jdk-17.0.1\bin\javaw.exe (Jan 1, 2023, 6:57:23 PM) [pid: 32016]
Hibernate: select occasion0_.occasion_id as occasion1_3_0_, occasion0_.occasion_name as occasion2_3_0_ from occasions occasion0_ where occasion0_.occ
Hibernate: select style0_.style_id as style_id1_8_0_, style0_.style_name as style_na2_8_0_ from styles style0_ where style0_.style_id=?
Hibernate: select user0_.username as username1_9_, user0_.date_created as date_cre2_9_, user0_.email as email3_9_, user0_.enabled as enabled4_9_, use
This user logged out: ozbrown
inside loadUserByUserName()...
username = msmith
Hibernate: select user0_.username as username1_9_, user0_.date_created as date_cre2_9_, user0_.email as email3_9_, user0_.enabled as enabled4_9_, use
Found User: User [username=msmith, id=8, roleType=USER, firstName=Michael, lastName=Smith, email=michael@home.com, password=$2a$12$JvuspuAAtiOLGuuDef
You are not authorized to perform this action
You are not authorized to perform this action
You are not authorized to perform this action
You are not authorized to perform this action
This user logged out: msmith
```





TESTING THE BACKEND

with POSTMAN



Testing Endpoints:

@PutMapping("/user/update/3")

PUT

localhost:8080/api/admin/users/user/update/3

Params

Authorization

Headers (11)

Body

Pre-request Script

Tests

Settings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

1

2

3

4

5

6

7

8

9

10

11

1

2

3

4

5

6

7

8

9

10

11

Body

Cookies (2)

Headers (11)

Test Results

Pretty

Raw

Preview

Visualize

JSON

1

2

3

4

5

1

2

3

4

5

mysql> select * from users;

username	date_created	email	enabled	firstname	userid	lastname	password	phone_number	role_type
christine	2022-12-31 17:56:00.000000	cjohnson@home.com	0x01	Christine	3	Johnson	\$2a\$12\$JvuspuAAtiOLGuuDePrtueodwyf8hLWeRny/G44/dRIu.LOFMtFKK	9858851975	USER
clementine	2022-12-31 17:56:00.000000	bauchc@home.com	0x01	Clementine	4	Bauch	\$2a\$12\$JvuspuAAtiOLGuuDePrtueodwyf8hLWeRny/G44/dRIu.LOFMtFKK	6059902842	USER

BEFORE

mysql> select * from users;

username	date_created	email	enabled	firstname	userid	lastname	password	phone_number	role_type
christine	2022-12-31 17:56:00.000000	cjohnson@home.com	0x00	Christine	3	Johnson-Smith	\$2a\$12\$JvuspuAAtiOLGuuDePrtueodwyf8hLWeRny/G44/dRIu.LOFMtFKK	9858851975	USER
clementine	2022-12-31 17:56:00.000000	bauchc@home.com	0x01	Clementine	4	Bauch	\$2a\$12\$JvuspuAAtiOLGuuDePrtueodwyf8hLWeRny/G44/dRIu.LOFMtFKK	6059902842	USER

AFTER



Testing Endpoints:

@PostMapping("/add")

POSTlocalhost:8080/api/admin/users/addSend

ParamsAuthorizationHeaders (11)BodyPre-request ScriptTestsSettings

noneform-data x-www-form-urlencodedrawbinary GraphQLJSON

```
1  {
2    "username": "melvin",
3    "id": "8",
4    "roleType": "USER",
5    "firstName": "Melvin",
6    "lastName": "Whistle",
7    "email": "melvin@home.com",
8    "password": "$2a$12$JvuspuAAtiOLGuuDePrtueodwyf8hLWeRny/G44/dRIu.LOFMtFKK",
9    "phoneNumber": "98523451975"
10  }
```

BodyCookies (2)Headers

PrettyRawPrev

```
1  {
2    "username": "melvin",
3    "id": 8,
4    "roleType": "USER",
5    "firstName": "Melvin",
6    "lastName": "Whistle",
7    "email": "melvin@home.com",
8    "password": "$2a$12$JvuspuAAtiOLGuuDePrtueodwyf8hLWeRny/G44/dRIu.LOFMtFKK",
9    "phoneNumber": "98523451975",
10   "dateCreated": "2023-01-02T02:24:12.747+00:00"
11  }
```

mysql> select * from users;

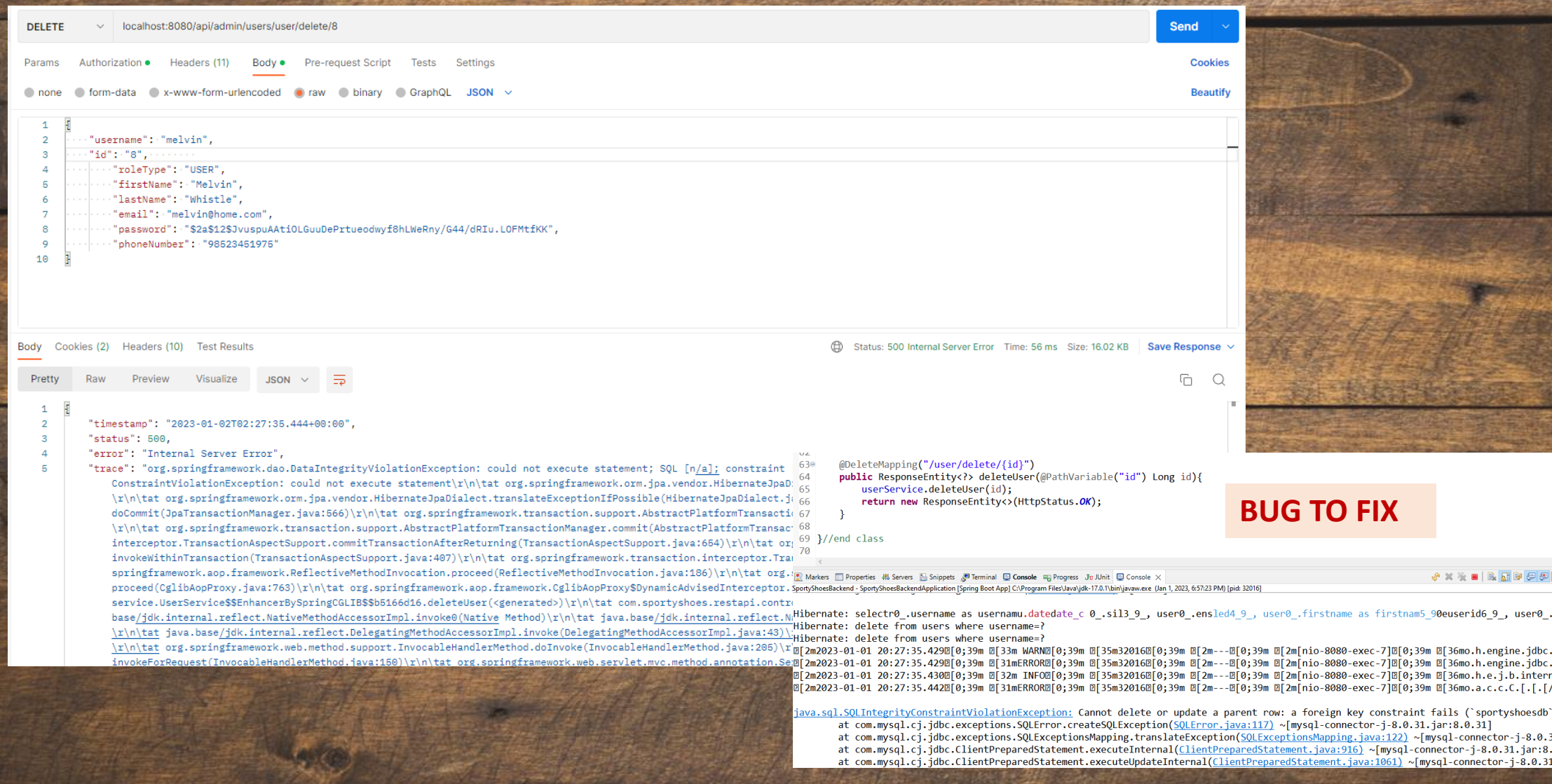
username	date_created	email	enabled	firstname	userid	lastname	password	phone_number	role_type
christine	2022-12-31 17:56:00.000000	cjohnson@home.com	0x00	Christine	3	Johnson-Smith	\$2a\$12\$JvuspuAAtiOLGuuDePrtueodwyf8hLWeRny/G44/dRIu.LOFMtFKK	9858851975	USER
clementine	2022-12-31 17:56:00.000000	bauchc@home.com	0x01	Clementine	4	Bauch	\$2a\$12\$JvuspuAAtiOLGuuDePrtueodwyf8hLWeRny/G44/dRIu.LOFMtFKK	6059902842	USER
jasen	2022-12-31 17:56:00.000000	jasen@home.com	0x01	Jasen	2	Jester	\$2a\$12\$JvuspuAAtiOLGuuDePrtueodwyf8hLWeRny/G44/dRIu.LOFMtFKK	8783019215	USER
melvin	2023-01-01 20:24:12.747313	melvin@home.com	0x00	Melvin	8	Whistle	\$2a\$12\$JvuspuAAtiOLGuuDePrtueodwyf8hLWeRny/G44/dRIu.LOFMtFKK	98523451975	USER
monica	2022-12-31 17:56:00.000000	msharp@home.com	0x01	Monica	6	Sharp	\$2a\$12\$JvuspuAAtiOLGuuDePrtueodwyf8hLWeRny/G44/dRIu.LOFMtFKK	4062991259	USER
msmith	2022-12-31 17:56:00.000000	michael@home.com	0x01	Michael	8	Smith	\$2a\$12\$JvuspuAAtiOLGuuDePrtueodwyf8hLWeRny/G44/dRIu.LOFMtFKK	7604129733	USER
niajester	2022-12-31 17:54:28.000000	nia@home.com	0x01	Nia	1	Kelley Jester	\$2a\$12\$P21wlkhdXzMRD3t3UHTnx..Y3sninurN3Q4EH04F7LU8vD/zChj0S	7450495098	ADMIN
ozbrown	2022-12-31 17:56:00.000000	ozbrown@home.com	0x01	Oswald	7	Brown	\$2a\$12\$P21wlkhdXzMRD3t3UHTnx..Y3sninurN3Q4EH04F7LU8vD/zChj0S	9015753955	ADMIN
patw	2022-12-31 17:56:00.000000	patweissnat@home.com	0x01	Patricia	5	Weissnat	\$2a\$12\$JvuspuAAtiOLGuuDePrtueodwyf8hLWeRny/G44/dRIu.LOFMtFKK	4316974631	USER

AFTER



Testing Endpoints:

```
@DeleteMapping("/user/delete/{id}")
```




```
@PutMapping("/product/update/5")
```

```
@PutMapping("/product/update/5")
```

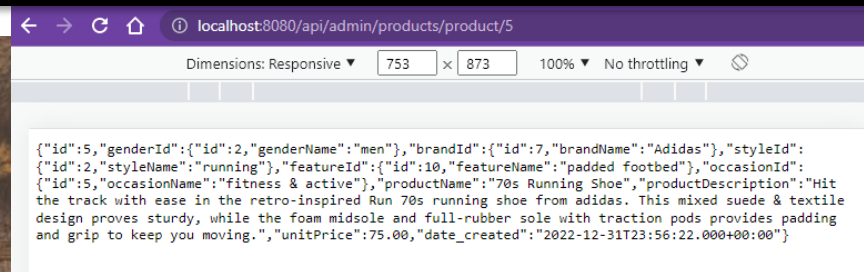
```

| product_id | date_created | product_description |
| product_name | unit_price | brand_id | feature_id | gender_id | occasion_id | style_id |
+-----+-----+-----+-----+-----+-----+-----+
| 5 | 2022-12-31 17:56:22.000000 | Hit the track with ease in the retro-inspired Run 70s running shoe from adidas. This mixed suede & textile d
provides padding and grip to keep you moving. | 70s Running Shoe | 65.00 | 7 | 10 | 2 | 5 | 2 |
+-----+-----+-----+-----+-----+-----+-----+
4 | | "id": 2,
5 | | "brandname": "adidas"
+-----+-----+-----+-----+-----+-----+
| product_id | date_created | product_description |
| product_name | unit_price | brand_id | feature_id | gender_id | occasion_id | style_id |
+-----+-----+-----+-----+-----+-----+-----+
| 5 | 2022-12-31 17:56:22.000000 | Hit the track with ease in the retro-inspired Run 70s running shoe from adidas. This mixed suede & textile
provides padding and grip to keep you moving. | 70s Running Shoe | 75.00 | 7 | 10 | 2 | 5 | 2 |
+-----+-----+-----+-----+-----+-----+-----+
14 | | },

```

AFTER

A screenshot of a web browser displaying a product page for an Adidas 70s Running Shoe. The browser's developer tools are open, showing the JSON data for the product. The JSON includes details like genderId, brandId, styleId, featureId, occasionId, productName, productDescription, unitPrice, and date_created. The product description mentions a mixed suede & textile design, foam midsole, and full-rubber sole with traction pods.



Testing Endpoints:

@PostMapping("/add")

POSTlocalhost:8080/api/admin/products/addSend

ParamsAuthorization●Headers (11)Body●Pre-request ScriptTestsSettings

●none●form-data●x-www-form-urlencoded●raw●binary●GraphQLJSON▼

```
1 {}
2 {
3   "id": 11,
4   "genderId": {
5     "id": 2,
6     "genderName": "men"
7   },
8   "brandId": {
9     "id": 7,
10    "brandName": "Adidas"
11  }
12 }
13 mysql> select * from products where product_id=12;
14 +-----+-----+-----+-----+-----+-----+-----+-----+
15 | product_id | date_created | product_description | product_name | unit_price | brand_id | feature_id | gender_id | occasio
16 +-----+-----+-----+-----+-----+-----+-----+-----+
17 | 12 | 2023-01-01 20:43:19.842218 | The runner-inspired profile of the Adidas Lite Racer 2.0 shoe helps you comfortably hustle everyday. Its Cloudfoam midsole lends plush feel and daylong cushioning while the rubber sole of this
18 lace-up shoe offers reliable traction on uneven and slippery surfaces. The upper is made from at least 50% recycled content for a sustainable finish. | Lite Racer BYD 2.0 Sneaker | 54.99 | 7 | 10 | 2 |
19 +-----+-----+-----+-----+-----+-----+-----+-----+
20 | 5 | 2 |
21 +-----+-----+-----+-----+-----+-----+-----+-----+
22 1 row in set (0.00 sec)
23 {
24   "productName": "Lite Racer BYD 2.0 Sneaker",
25   "productDescription": "The runner-inspired profile of the Adidas Lite Racer 2.0 shoe helps you comfortably hustle everyday. Its Cloudfoam midsole lends plush feel and daylong cushioning while the rubber sole of this lace-up shoe offers reliable traction on uneven and slippery surfaces. The upper is made from at least 50% recycled content for a sustainable finish.",
26   "unitPrice": 54.99,
27   "date_created": "2023-01-31T23:56:22.000+00:00"
28 }
```

AFTER

localhost:8080/api/admin/products/product/12

Dimensions: Responsive 753 x 873 100% No throttling

```
{
  "id": 12,
  "genderId": {
    "id": 2,
    "genderName": "men"
  },
  "brandId": {
    "id": 7,
    "brandName": "Adidas"
  },
  "styleId": {
    "id": 2,
    "styleName": "running"
  },
  "featureId": {
    "id": 10,
    "featureName": "padded footbed"
  },
  "occasionId": {
    "id": 5,
    "occasionName": "fitness & active"
  },
  "productName": "Lite Racer BYD 2.0 Sneaker",
  "productDescription": "The runner-inspired profile of the Adidas Lite Racer 2.0 shoe helps you comfortably hustle everyday. Its Cloudfoam midsole lends plush feel and daylong cushioning while the rubber sole of this lace-up shoe offers reliable traction on uneven and slippery surfaces. The upper is made from at least 50% recycled content for a sustainable finish.",
  "unitPrice": 54.99,
  "date_created": "2023-01-02T02:43:19.842+00:00"
}
```


Testing Endpoints:

@DeleteMapping("/product/delete/{id}")

DELETE localhost:8080/api/admin/products/product/delete/12

Params Authorization Headers (11) **Body** Pre-request Script Tests Settings

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

```
1 {
2   .... "id": 11,
3   .... "genderId": {
4     .... "id": 2,
5     .... "genderName": "men"
6   },
7   .... "brandId": {
8     .... "id": 7,
9     .... "brandName": "Adidas"
10  },
11  .... "styleId": {
12    .... "id": 2,
13    .... "styleName": "running"
14  },
15  .... "featureId": {
16    .... "id": 10,
17    .... "featureName": "padded footbed"
18  },
19 }
```

Body Cookies (2) Headers (10) Test Results

Pretty Raw Preview Visualize JSON

```
1 {
2   "timestamp": "2023-01-02T02:46:45.296+00:00",
3   "status": 500,
4   "error": "Internal Server Error",
5   "trace": "org.springframework.dao.DataIntegrityViolationException: could not execute statement; SQL [n/a]; const
  ConstraintViolationException: could not execute statement\r\n\tat org.springframework.orm.jpa.vendor.Hibernate
\r\n\tat org.springframework.orm.jpa.vendor.HibernateJpaDialect.translateExceptionIfPossible(HibernateJpaDialect
doCommit(JpaTransactionManager.java:566)\r\n\tat org.springframework.transaction.support.AbstractPlatformTrans
\r\n\tat org.springframework.transaction.support.AbstractPlatformTransactionManager.commit(AbstractPlatformTrans
interceptor.TransactionAspectSupport.commitTransactionAfterReturning(TransactionAspectSupport.java:654)\r\n\t
invokeWithinTransaction(TransactionAspectSupport.java:407)\r\n\tat org.springframework.transaction.intercept
springframework.aop.framework.ReflectiveMethodInvocation.proceed(ReflectiveMethodInvocation.java:186)\r\n\tat
proceed(CglibAopProxy.java:763)\r\n\tat org.springframework.aop.framework.CglibAopProxy$DynamicAdvisedInter
service.ProductService$$EnhancerBySpringCGLIB$$1add02e0.deleteProduct(<generated>)\r\n\tat com.sportyshoes.s
```

```
63
64 @DeleteMapping("/product/delete/{id}")
65 public void deleteProduct(@PathVariable("id") Long id){
66     productService.deleteProduct(id);
67     ResponseEntity.status(HttpStatus.OK);
68 }
69 }//end class
70
```

BUG TO FIX

Markers Properties Servers Snippets Terminal Console Progress JUnit Console X

SportyShoesBackend - SportyShoesBackendApplication [Spring Boot App] C:\Program Files\Java\jdk-17.0.1\bin\javaw.exe [Jan 1, 2023, 6:57:23 PM] [pid: 32016]

Hibernate: select gender0_.gender_id as gender_11_2_0_, gender0_.gender_name as gender_n2_2_0_ from genders gender0_ where gender0_.gender_id=?

Hibernate: select occasion0_.occasion_id as occasion1_3_0_, occasion0_.occasion_name as occasion2_3_0_ from occasions occasion0_ where occasion0_.occasion_id=?

Hibernate: select style0_.style_id as style_id1_8_0_, style0_.style_name as style_na2_8_0_ from styles style0_ where style0_.style_id=?

Hibernate: delete from products where product_id=?

Hibernate: delete from brands where brand_id=?

[2m2023-01-01 20:46:45.278][0;39m [33m WARN][0;39m [35m32016][0;39m [2m---B[0;39m [2m[iio-8080-exec-10][0;39m [36mo.h.engine.jdbc.spi.Sql

[2m2023-01-01 20:46:45.278][0;39m [31mERROR][0;39m [35m32016][0;39m [2m---B[0;39m [2m[iio-8080-exec-10][0;39m [36mo.h.engine.jdbc.spi.Sql

[2m2023-01-01 20:46:45.278][0;39m [32m INFO][0;39m [35m32016][0;39m [2m---B[0;39m [2m[iio-8080-exec-10][0;39m [36mo.h.e.j.b.internal.Abstr

[2m2023-01-01 20:46:45.295][0;39m [31mERROR][0;39m [35m32016][0;39m [2m---B[0;39m [2m[iio-8080-exec-10][0;39m [36mo.a.c.c.c.[.].[.].disp

java.sql.SQLIntegrityConstraintViolationException: Cannot delete or update a parent row: a foreign key constraint fails (`sportyshoesdb`.`product` at com.mysql.cj.jdbc.exceptions.SQLException.createSQLException(SQLException.java:117) ~[mysql-connector-j-8.0.31.jar:8.0.31] at com.mysql.cj.jdbc.exceptions.SQLExceptionMapping.translateException(SQLExceptionMapping.java:122) ~[mysql-connector-j-8.0.31.jar:8.0.31] at com.mysql.cj.jdbc.ClientPreparedStatement.executeInternal(ClientPreparedStatement.java:916) ~[mysql-connector-j-8.0.31.jar:8.0.31]

