

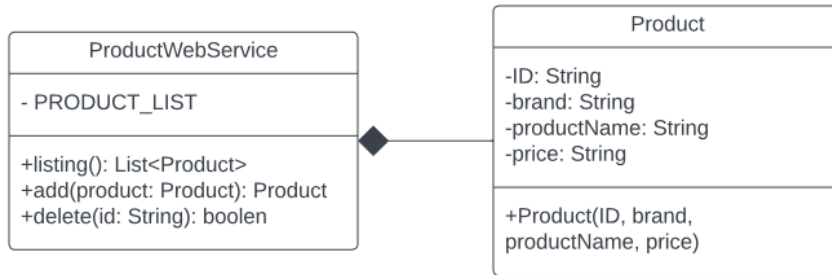
# Yazılım Geliştirme ve Ortam Araçları Final Raporu

Ad Soyad: Yahya BR

Numara: HR220003

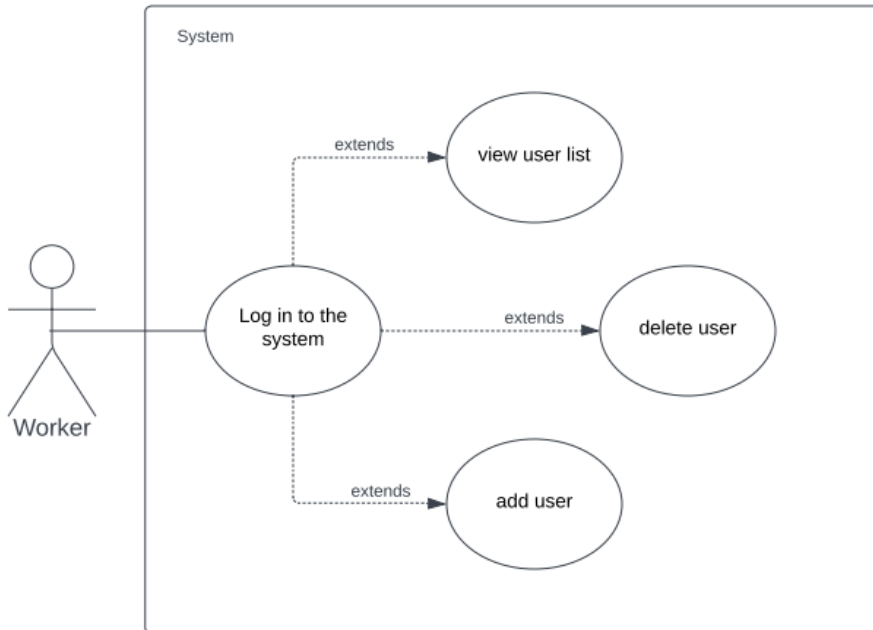
## UML Class Diagram

Web servisler için ProductWebService adlı bir sınıf ve ürünler içinde Product adlı bir sınıf oluşturdum ve ilişkilendirdim. Attributeleri aynı kodlarımdaki gibi belirttim ve altlarına operationları ekledim ve ilişkilendirdim.



## UML Use-Case Diagram

Çalışanın gözünden yapılabilecek işlemleri diagrama uyguladım ve extends gösterimlerini yaptım.



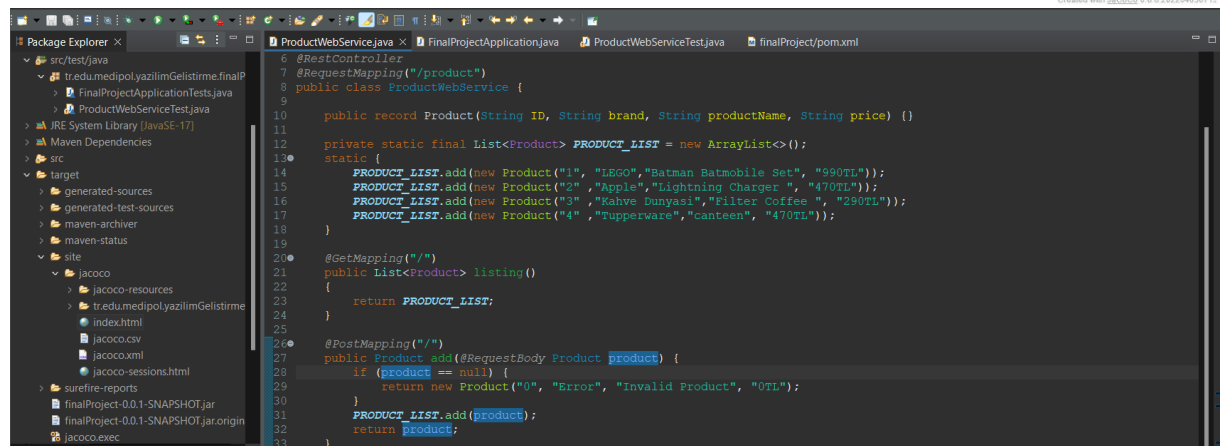
## Birim Testler

finalProject

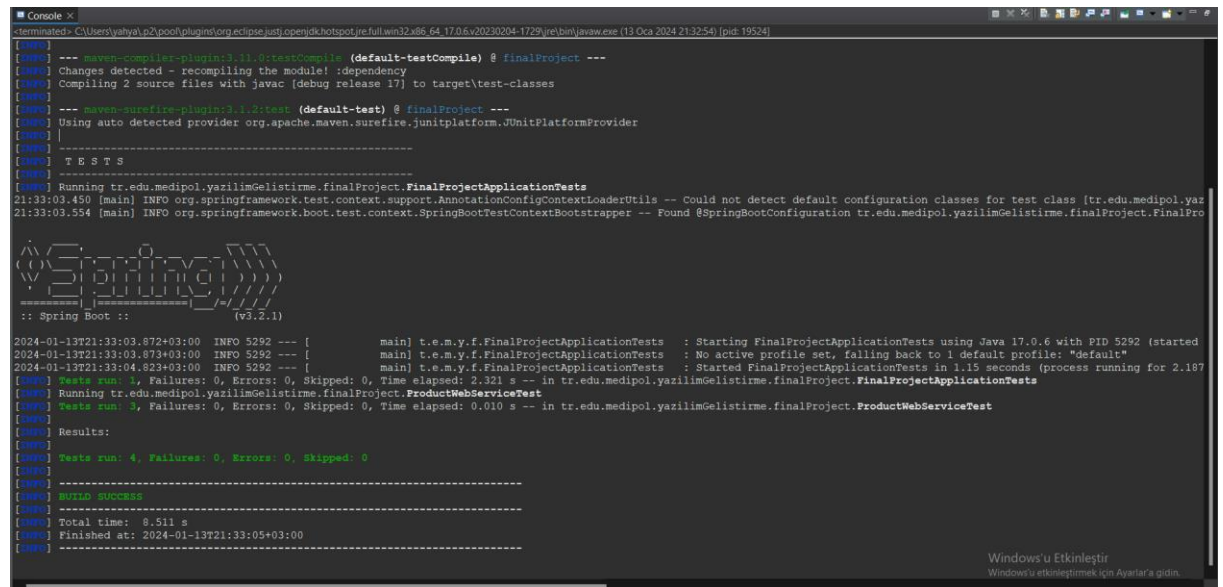
## finalProject

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
tr.edu.medical.yazlimGelstime.finalProject	<div><div></div></div>	%86	<div><div></div></div>	%50	6	14	3	19	4	12	0	3
Total	16 of 115	%86	2 of 4	%50	6	14	3	19	4	12	0	3

Created with IntelliJ IDEA 15.0.5

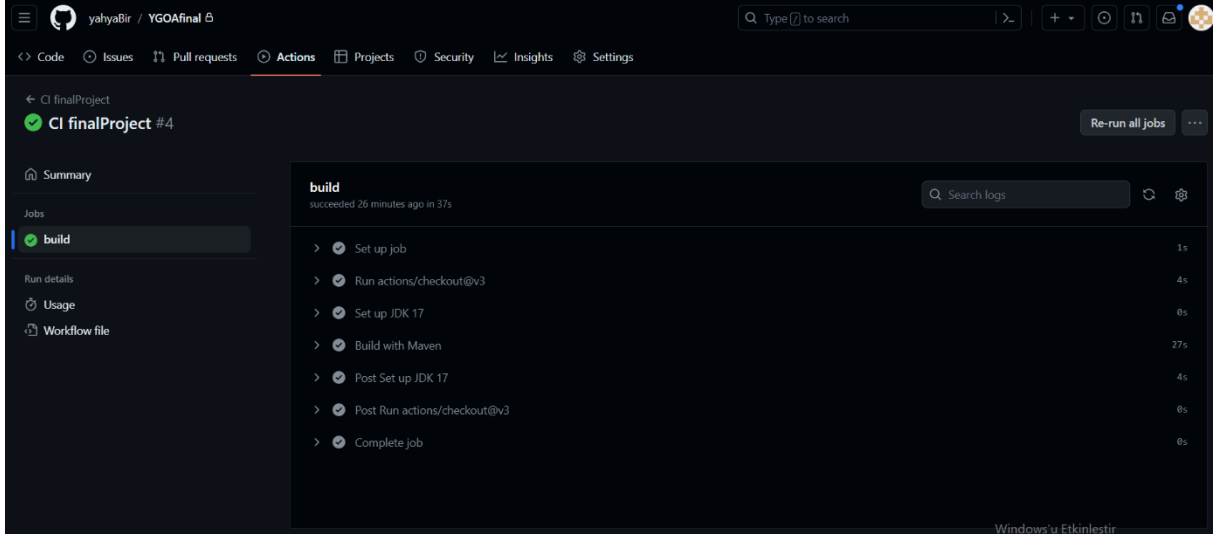


Build succes ispati.

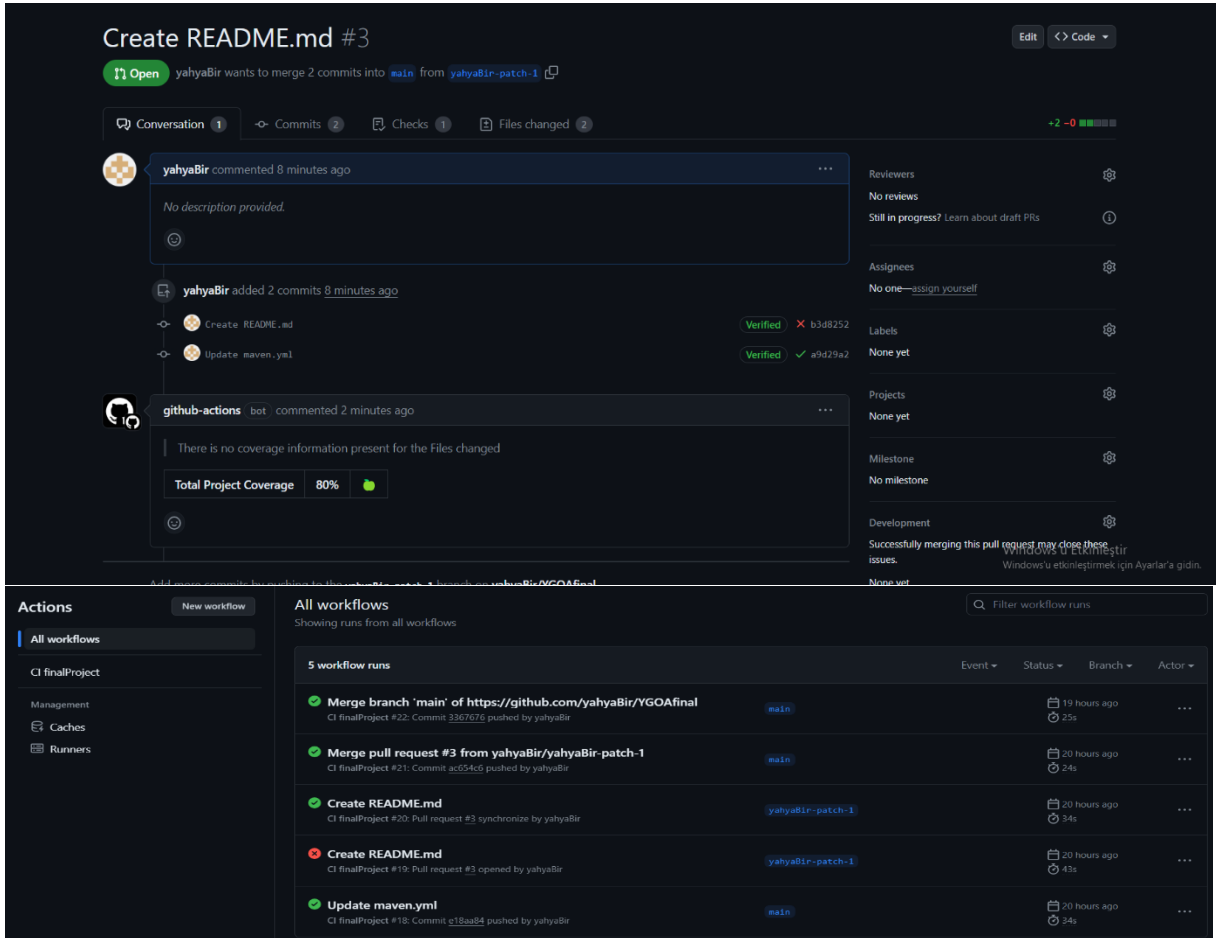


## Sürekli Entegrasyon

Sürekli entegrasyon maven.yml dosyası güncellenerek yapıldı ve pull request (PR) içerisinde kod kapsama oranı görüntülendi.



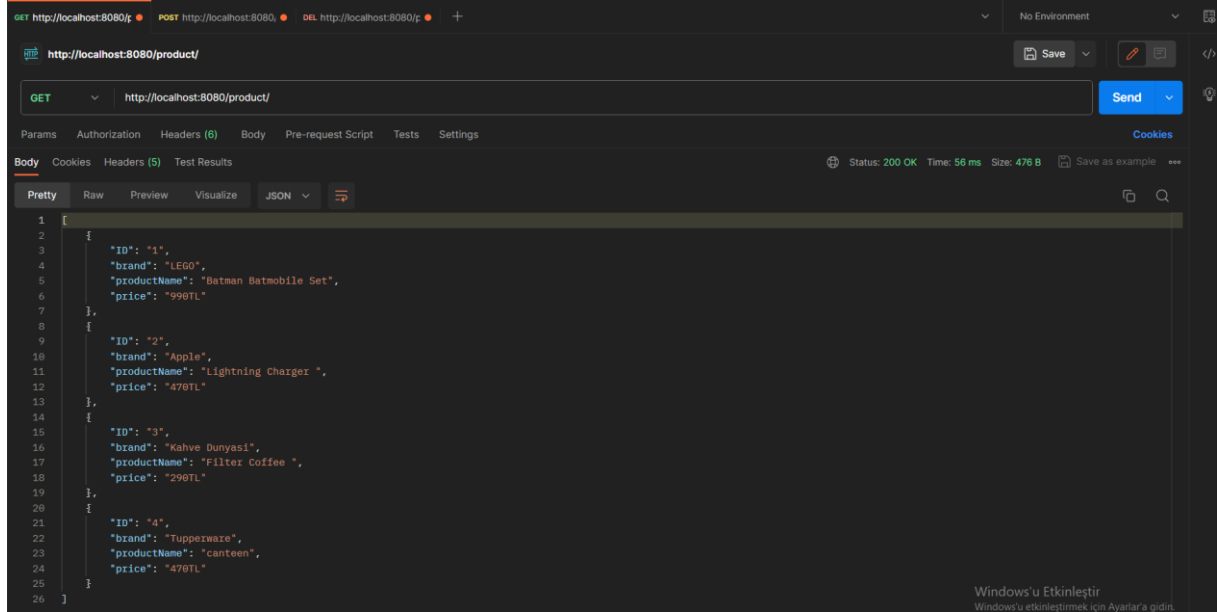
Kod kapsama oranının eklendiğinin ispatı.



## Postman & JMeter Testleri

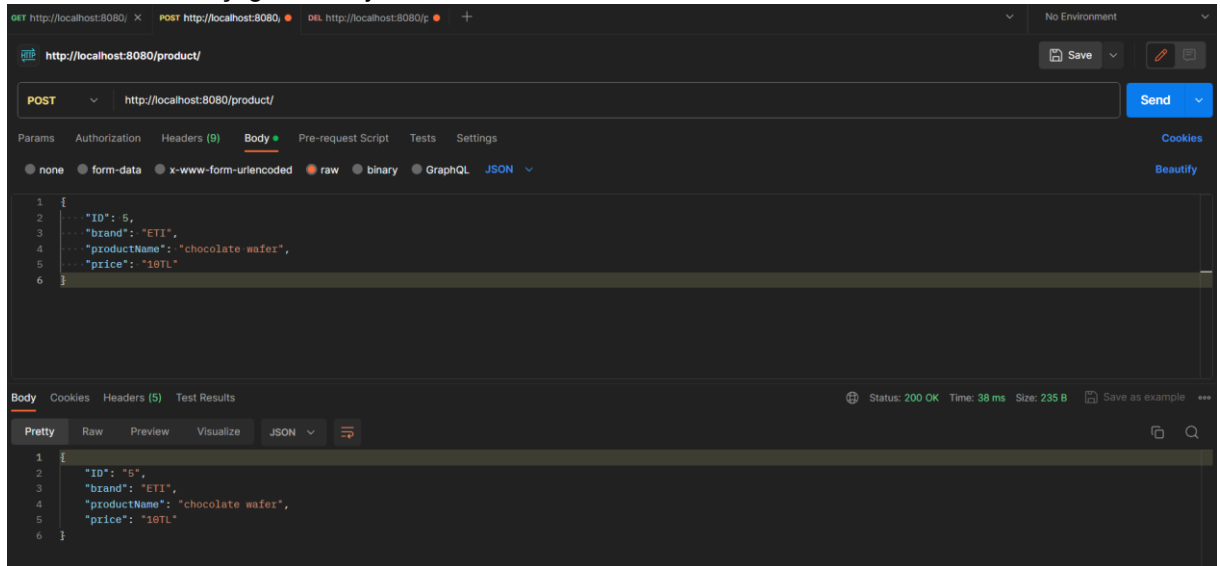
## Postman Listing

Postman'i indirdim. URL'yi yapııştırarak GET metodunu çağırdım, bu sayede kod bloğunda eklediğim PRODUCT\_LIST ekrana yazdırıldı.

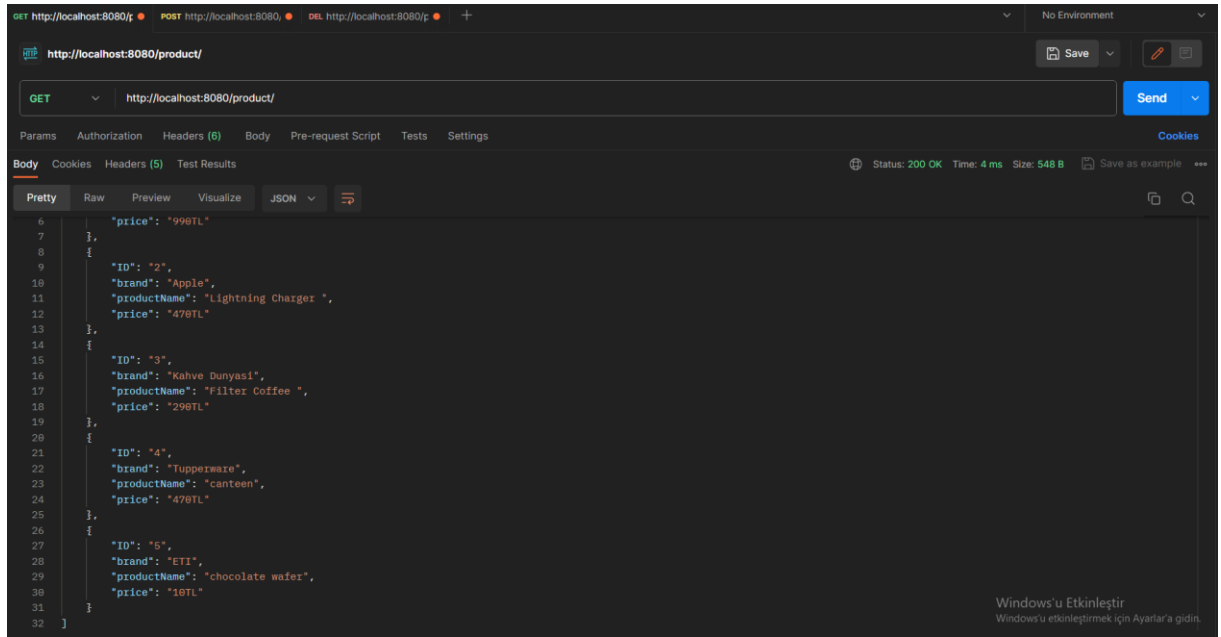


## Postman Add Product

POST metodunu çağırdım ve json formatında ürün ekledim.

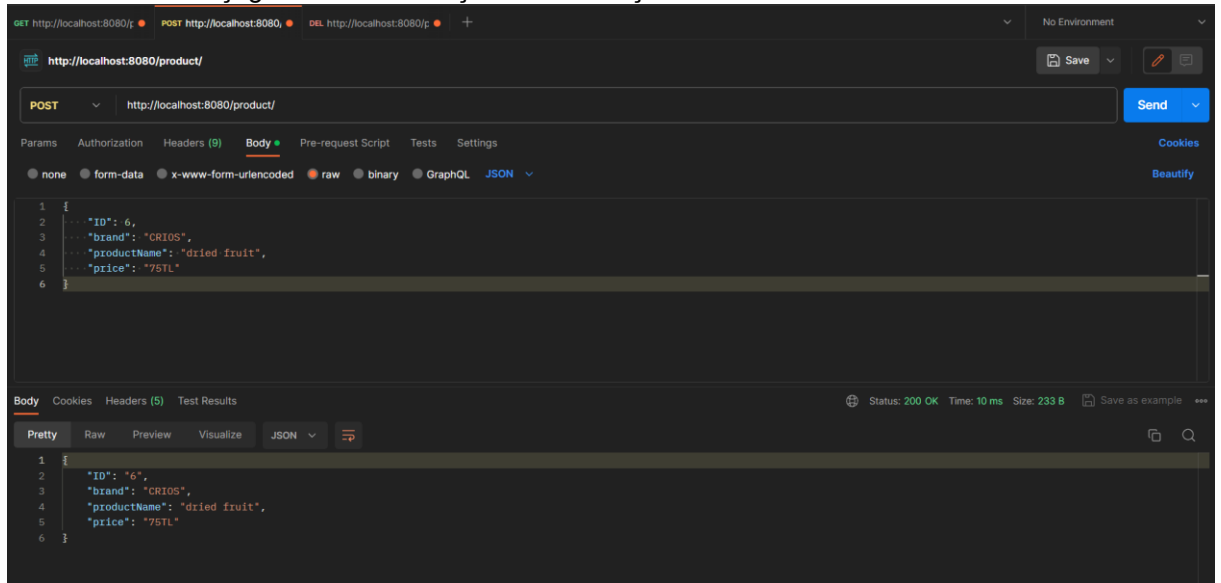


Burada ise ürünün eklendiğinin ispatı var 5 ID li ürün eklendi



## Postman Delete Product

POST metodunu çağırdım ve silmek için bir ürün oluşturdum.



Silmek için eklenen ürünün listedeki görüntüsü.

GET http://localhost:8080/ POST http://localhost:8080/ DEL http://localhost:8080/ + No Environment

http://localhost:8080/product/ Save Send

Params Authorization Headers (6) Body Pre-request Script Tests Settings Cookies

Body Cookies Headers (5) Test Results Status: 200 OK Time: 6 ms Size: 618 B Save as example

Pretty Raw Preview Visualize JSON

```
12  {
13    "price": "470TL"
14  },
15  {
16    "ID": "3",
17    "brand": "Kahve Dunyasi",
18    "productName": "Filter Coffee ",
19    "price": "290TL"
20  },
21  {
22    "ID": "4",
23    "brand": "Tupperware",
24    "productName": "canteen",
25    "price": "470TL"
26  },
27  {
28    "ID": "5",
29    "brand": "ETI",
30    "productName": "chocolate wafer",
31    "price": "10TL"
32  },
33  {
34    "ID": "6",
35    "brand": "CRIOS",
36    "productName": "dried fruit",
37    "price": "75TL"
38  }
}
```

Windows'u Etkinleştir  
Windows'u etkinleştirmek için Ayarlar'a gidin

Ürünü silmek için DELETE metodunu çağırdım.

GET http://localhost:8080/ POST http://localhost:8080/ DEL http://localhost:8080/ + No Environment

http://localhost:8080/product/6 Save Send

Params Authorization Headers (6) Body Pre-request Script Tests Settings Cookies

Query Params

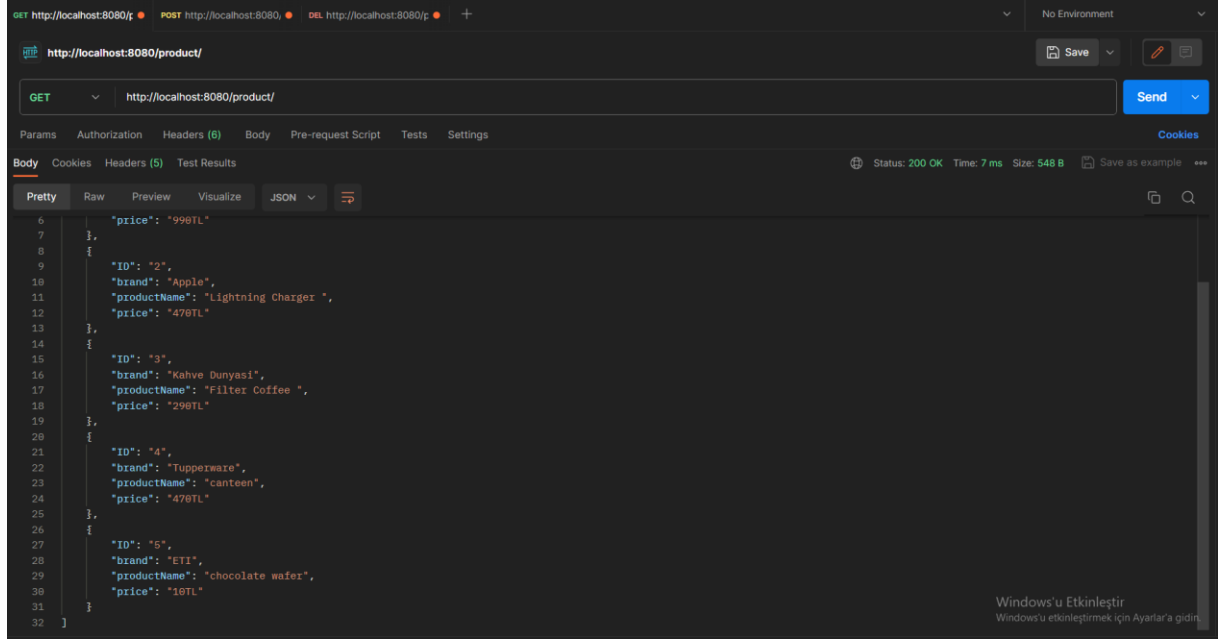
Key	Value	Description	Bulk Edit
Key	Value	Description	

Body Cookies Headers (5) Test Results Status: 200 OK Time: 7 ms Size: 168 B Save as example

Pretty Raw Preview Visualize JSON

```
1 true
```

Burada ise ürünün silindikten sonra listenin ekran görüntüsü var.



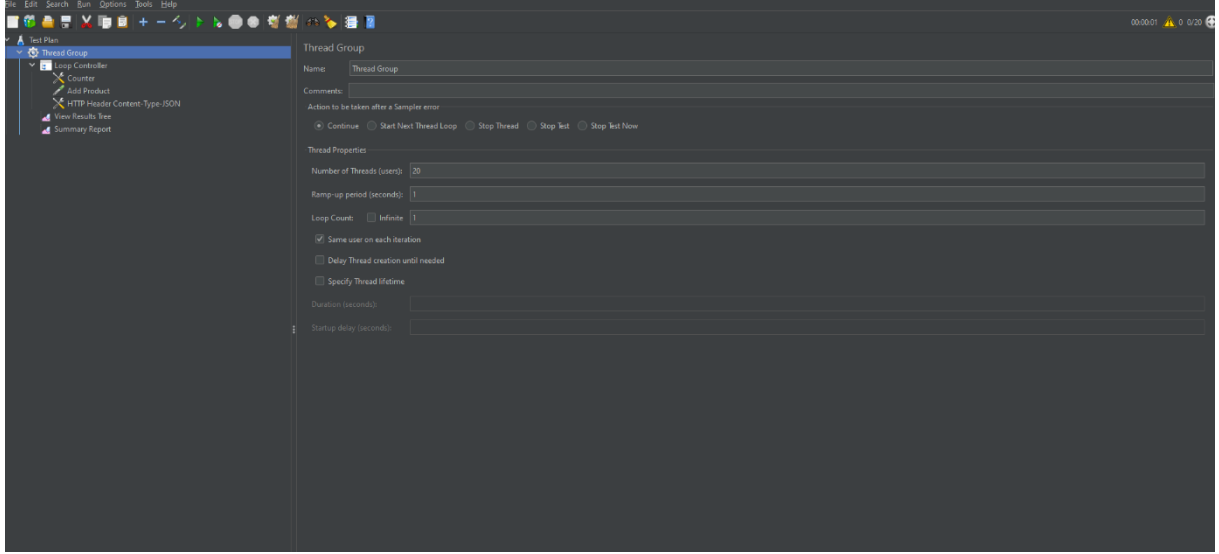
The screenshot shows a REST client interface with a GET request to `http://localhost:8080/product/`. The response is a JSON array of 5 products. The status is 200 OK, time is 7 ms, and size is 548 B. The response body is displayed in a pretty-printed JSON format.

```
6  {
7    "price": "990TL"
8  },
9  {
10   "ID": "2",
11   "brand": "Apple",
12   "productName": "Lightning Charger ",
13   "price": "470TL"
14 },
15 {
16   "ID": "3",
17   "brand": "Kahve Dunyasi",
18   "productName": "Filter Coffee ",
19   "price": "290TL"
20 },
21 {
22   "ID": "4",
23   "brand": "Tupperware",
24   "productName": "canteen",
25   "price": "470TL"
26 },
27 {
28   "ID": "5",
29   "brand": "ETI",
30   "productName": "chocolate wafer",
31   "price": "10TL"
32 }
```

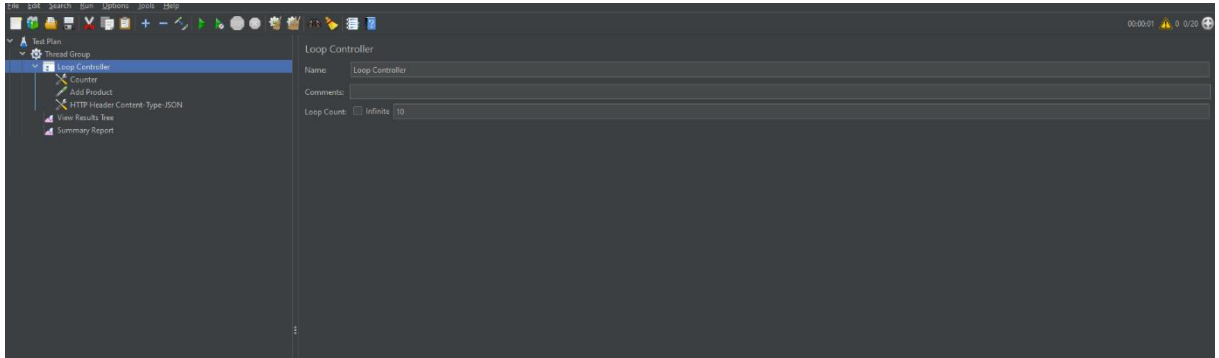
Windows'u Etkinleştir  
Windows'u etkinleştirmek için Ayarlar'a gidin

# JMeter

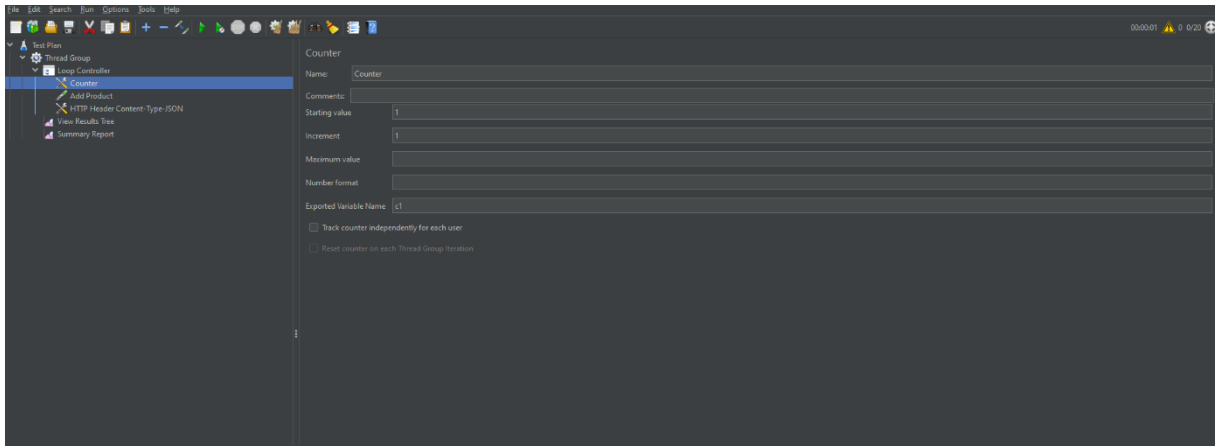
Yazılım Stres testi için JMeter'i kurdum ve Thread Group kısmından bir döngüde kaç ürün oluşturulacağını girdim.



Loop Controller sayesinde kaç döngü olacağını girdim.

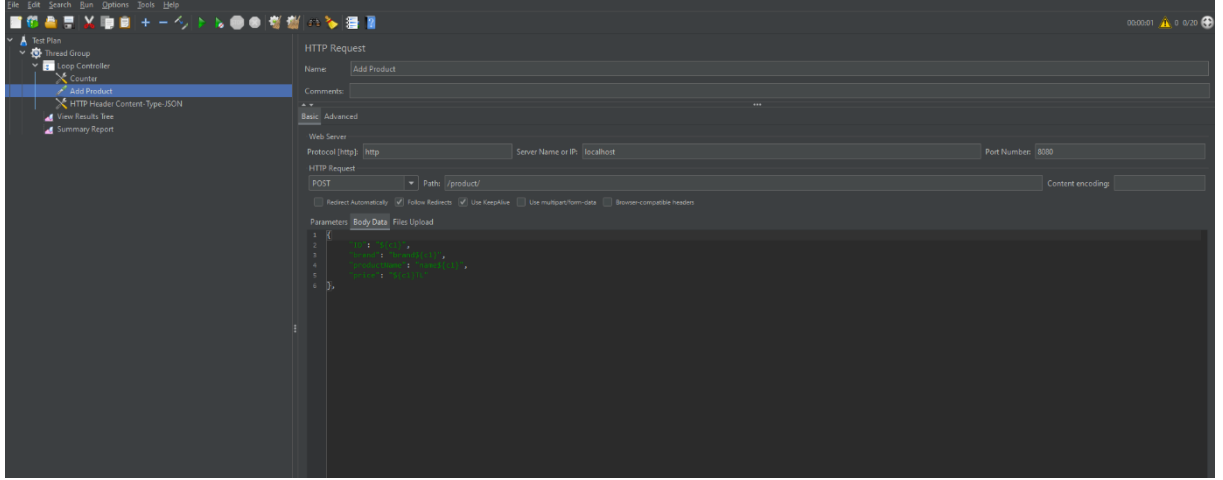


Counter sayesinde stres testi için oluşturacağım ürünleri Variable name sayesinde numaralandırdım.

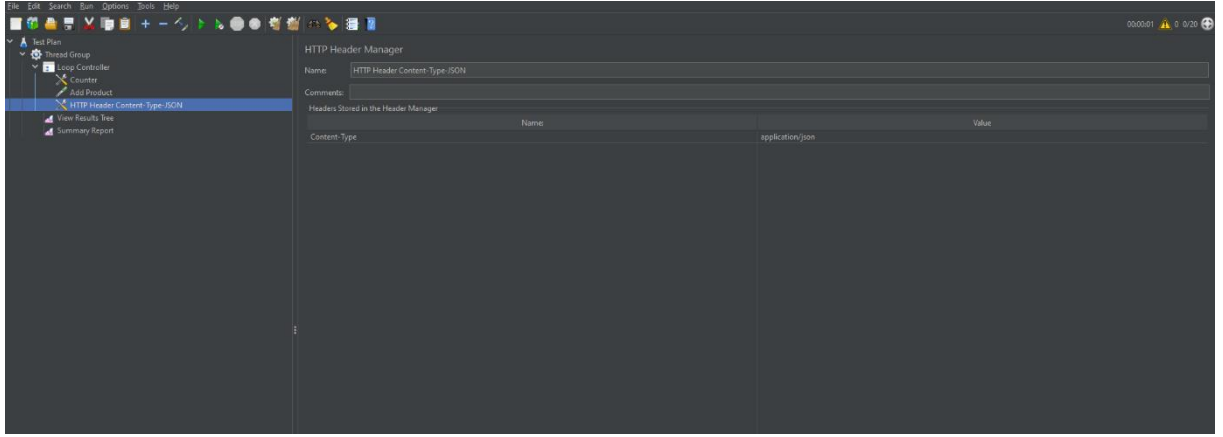




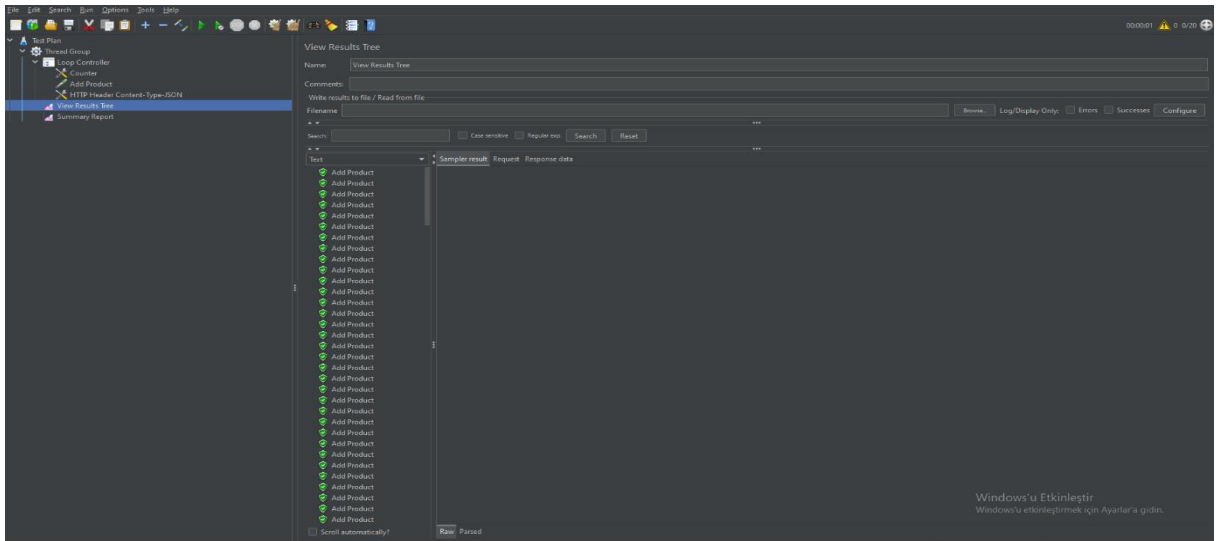
Add Product bölümünde projemin Port bilgilerini ve konumunu belirtiyorum bu sayede ürünleri oluşturacağım dizini belirtiyorum.



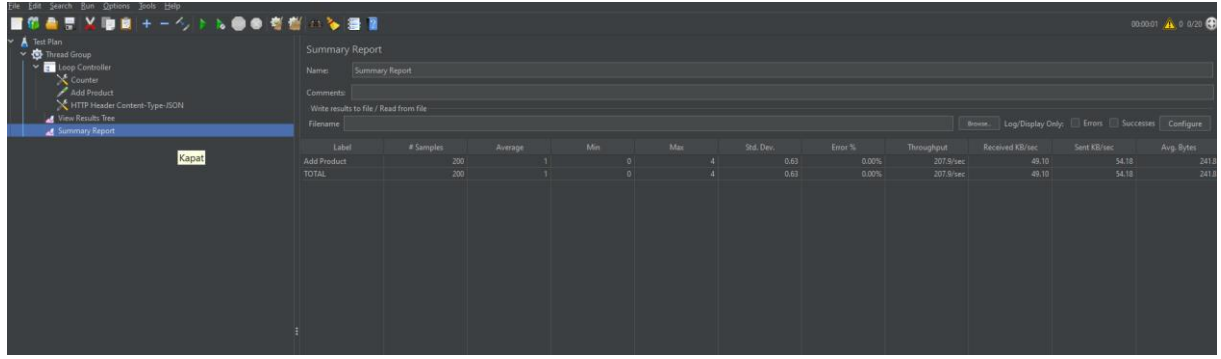
HTTP Header Manager bölümünde content type'ın JSON olacağını belirtiyorum.



Programı çalıştırdıktan sonra Result tree sayesinde ürünlerin başarıyla eklendiğini kontrol ediyorum.



Summary Report sayesinde kaç ürün eklediğimi kontrol edebiliyorum.



Summary Report

Name: Summary Report

Comments:

Write results to file / Read from file

Filename:   ☐ Log/Display Only ☐ Errors ☐ Successes

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes
Add Product	200	1	0	4	0.63	0.00%	207.5/sec	49.10	54.10	241.2
TOTAL	200	1	0	4	0.63	0.00%	207.5/sec	49.10	54.10	241.2

Git

## Git bash repository ispatları.

```
yahya@yahyaBir MINGW64 /c/JavaMaven/finalProject (master)
$ git init
Reinitialized existing Git repository in C:/JavaMaven/finalProject/.git/

yahya@yahyaBir MINGW64 /c/JavaMaven/finalProject (master)
$ git branch -M main

yahya@yahyaBir MINGW64 /c/JavaMaven/finalProject (main)
$ git remote add origin https://github.com/yahyaBir/YGOAfinal.git
error: remote origin already exists.

yahya@yahyaBir MINGW64 /c/JavaMaven/finalProject (main)
$ git push -u origin main
error: src refspec main does not match any
error: failed to push some refs to 'https://github.com/yahyaBir/YGOAfinal.git'

yahya@yahyaBir MINGW64 /c/JavaMaven/finalProject (main)
$ AC

yahya@yahyaBir MINGW64 /c/JavaMaven/finalProject (main)
$ git status
On branch main

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .gitignore
        .mvn/
        mvnw
        mvnw.cmd
        pom.xml
        src/

nothing added to commit but untracked files present (use "git add" to track)

yahya@yahyaBir MINGW64 /c/JavaMaven/finalProject (main)
$ git add .
warning: in the working copy of '.gitignore', LF will be replaced by CRLF the ne
xt time Git touches it
warning: in the working copy of '.mvn/wrapper/maven-wrapper.properties', LF will
be replaced by CRLF the next time Git touches it
warning: in the working copy of 'mvnw', LF will be replaced by CRLF the next tim
e Git touches it
warning: in the working copy of 'mvnw.cmd', LF will be replaced by CRLF the next
time Git touches it
warning: in the working copy of 'pom.xml', LF will be replaced by CRLF the next
time Git touches it
warning: in the working copy of 'src/main/java/tr/edu/medipol/yazilimGelistirme/
finalProject/FinalProjectApplication.java', LF will be replaced by CRLF the next
time Git touches it
warning: in the working copy of 'src/main/resources/application.properties', LF
will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'src/test/java/tr/edu/medipol/yazilimGelistirme/
finalProject/FinalProjectApplicationTests.java', LF will be replaced by CRLF the
next time Git touches it

yahya@yahyaBir MINGW64 /c/JavaMaven/finalProject (main)
$ git commit -m "yazilim gelistirme first commit"
[main (root-commit) ce0395c] yazilim gelistirme first commit
11 files changed, 727 insertions(+)
 create mode 100644 .gitignore
 create mode 100644 .mvn/wrapper/maven-wrapper.jar
 create mode 100644 .mvn/wrapper/maven-wrapper.properties
 create mode 100644 mvnw
 create mode 100644 mvnw.cmd
 create mode 100644 pom.xml
 create mode 100644 src/main/java/tr/edu/medipol/yazilimGelistirme/finalProject/
FinalProjectApplication.java
 create mode 100644 src/main/java/tr/edu/medipol/yazilimGelistirme/finalProject/
ProductWebService.java
 create mode 100644 src/main/resources/application.properties
 create mode 100644 src/test/java/tr/edu/medipol/yazilimGelistirme/finalProject/
FinalProjectApplicationTests.java
 create mode 100644 src/test/java/tr/edu/medipol/yazilimGelistirme/finalProject/
ProductWebServiceTest.java

yahya@yahyaBir MINGW64 /c/JavaMaven/finalProject (main)
$ git push origin main
Enumerating objects: 31, done.
Counting objects: 100% (31/31), done.
Delta compression using up to 12 threads
Compressing objects: 100% (18/18), done.
Writing objects: 100% (31/31), 64.44 KiB | 12.89 MiB/s, done.
Total 31 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/yahyaBir/YGOAfinal.git
 * [new branch]      main -> main

yahya@yahyaBir MINGW64 /c/JavaMaven/finalProject (main)
$
```

Private repository manage Access'i.

General

Access

Collaborators

Code and automation

Branches

Tags

Rules

Actions

Webhooks

Codespaces

Pages

Security

Code security and analysis

Deploy keys

Secrets and variables

Integrations

GitHub Apps

Email notifications

## Who has access

PRIVATE REPOSITORY

Only those with access to this repository can view it.

Manage

DIRECT ACCESS

1 has access to this repository. [0 collaborators](#), [1 invitation](#).

## Manage access

Add people

Select all

Type

Find a collaborator...

Ozkan Sari

Awaiting ozkansari's response

Pending Invite

Remove

< Previous

Next >

Windows'u Etkin  
Windows'u etkinleştirin