



Univerzitet u Sarajevu
Elektrotehnički fakultet u Sarajevu
Odsjek za računarstvo i informatiku



Izvještaj - Projektni zadatak III dio Verifikacija i validacija softvera

Članovi grupe:
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Analiza funkcionalnosti aplikacije:

Za izradu ovog projektnog zadatka odabrali smo aplikaciju:
<https://magento.softwaretestingboard.com/>

NUnit repozitorij link:

https://dev.azure.com/VVS-ITGirls-3/Projekat-3.%20dio/_git/projekat_treci_dio

Pregled funkcionalnosti:

1. Korisnički račun

- **Registracija korisnika:** Kreiranje novog naloga.
- **Prijava korisnika:** Pristup već postojećem nalogu.

2. Dodavanje u korpu i checkout proces

- **Dodavanje proizvoda u korpu**
- **Sadržaj korpe**
- **Unos podataka za dostavu**
- **Proces naručivanja**

3. Recenzija proizvoda

- **Dodavanje recenzije s prethodnom prijavom**
- **Dodavanje recenzije bez prethodne prijave**

4. Filtriranje i sortiranje proizvoda

- **Filtriranje proizvoda:** po jednoj ili više opcija
- **Sortiranje:** po cijeni i imenu proizvoda

Zadatak 1

Član tima 1: Mina Duranović

Funkcionalnosti odabrane za testiranje su registracija korisnika i prijava korisnika.

Testni slučajevi su kreirani koristeći tehnike black box testiranja opisanih na predavanju, ekvivalentne particije i use case metoda.

Pri testiranju funkcionalnosti prijave i registracije, ulazni podaci su se mogli podijeliti na ekvivalentne particije. Validnu particiju predstavljaju podaci koji su prošli sva polja validacije i tačni su za prijavu/registraciju. Nevalidna particija je podrazumijevala nepotpun i nepravilan unos podataka za prijavu/registraciju.

Prilikom testiranja, pronađen je jedan bug koji je povezan sa resetovanjem lozinke ukoliko se korisnik ne može sjetiti svoje lozinke prilikom prijave. Ustanovljeno je da to resetovanje ne radi.

Slijedi prikaz testnih slučajeva.

Test Cases (10 items)		New Test Case	▼
<input type="checkbox"/>	Title		
<input type="checkbox"/>	Uspješna registracija - svi validni podaci		
<input type="checkbox"/>	Neuspješna registracija - sa već postojećom email adresom		
<input type="checkbox"/>	Neuspješna prijava - nepotpunjena sva polja		
<input type="checkbox"/>	Neuspješna registracija - nedovoljno jaka lozinka		
<input type="checkbox"/>	Uspješna prijava - validni svi podaci		
<input type="checkbox"/>	Uspješna prijava - sa resetom zaboravljene lozinke		
<input type="checkbox"/>	Neuspjesna registracija - lozinke se ne podudaraju		
<input type="checkbox"/>	Neuspjesna registracija - nepotpunjena sva polja		
<input type="checkbox"/>	Neuspjesna prijava - nevalidna email adresa		
<input type="checkbox"/>	Neuspjesna prijava - nevalidni podaci ili blokiran racun		

1.

5*: Uspješna registracija - svi validni podaci			
1. Otvoriti stranicu https://magento.softwaretestingboard.com/			
2. Kliknuti na dugme "Create an Account" u gornjem desnom uglu stranice.			
3. Unos podataka.			
4. Kliknuti na dugme Create An Account			
EXPECTED RESULT			
Registracija uspesna, redirect na My account stranicu.			

2.

9*: Uspješna prijava - validni svi podaci			
1. Otvoriti stranicu https://magento.softwaretestingboard.com/			
2. Kliknuti na dugme "Sign in" u gornjem desnom uglu stranice.			
3. Unos podataka.			
4. Kliknuti na dugme Sign in			
EXPECTED RESULT			
Prijava uspesna, redirect na My account stranicu.			

3.

6*: Neuspješna registracija - sa već postojećom email adresom

1. Otvoriti stranicu https://magento.softwaretestingboard.com/	✓ ✎
2. Kliknuti na dugme Create an Account u gornjem desnom uglu.	✓ ✎
3. Unos podataka	✓ ✎
4. Kliknuti na dugme Create an Account.	✓ ✎

EXPECTED RESULT
Sistem prikazuje gresku: "There is already an account with this email address. If you are sure that it is your email address, click here to reset your password."

LUMA

What's New Women ▾ Men ▾ Gear ▾ Training ▾ Sale

Search entire store here...

Create New Customer Account

There is already an account with this email address. If you are sure that it is your email address, [click here](#) to get your password and access your account.

4.

Save neuspješna prijava - nepotpunjena sva polja

1. Otvoriti stranicu https://magento.softwaretestingboard.com/	✓ ✎
2. Kliknuti na dugme "Sign in" u gornjem desnom uglu stranice.	✓ ✎
3. Unos email-a i lozinke.	✓ ✎
4. Kliknuti na dugme Sign in	✓ ✎

EXPECTED RESULT
Javila se greška, neko polje nije popunjeno

Registered Customers

If you have an account, sign in with your email address.

Email *

This is a required field.

Password *

This is a required field.

5.

8*: Neuspješna registracija – nedovoljno jaka lozinka	
1.	Otvoriti stranicu https://magento.softwaretestingboard.com/
2.	Kliknuti na dugme "Create an Account" u gornjem desnom uglu stranice.
3.	Unos podataka.
4.	Kliknuti na dugme Create An Account
EXPECTED RESULT Javila se greška, lozinka ne zadovoljava dati uslov	

Password *

.....

Password Strength: Weak

Minimum of different classes of characters in password is 3. Classes of characters: Lower Case, Upper Case, Digits, Special Characters.

6. - Pronadjen bug

26*: Uspješna prijava - sa resetom zaboravljene lozinke				
1.	Otvoriti stranicu https://magento.softwaretestingboard.com/			
2.	Kliknuti na dugme "Sign in" u gornjem desnom uglu stranice.			
3.	Kliknuti na dugme "Reset password"			
4.	Unijeti email adresu na koju stiže password			
5.	Kliknuti na dugme "Reset password"			
EXPECTED RESULT				
Uspjesno resetovana lozinka				
COMMENT		<input type="text" value="Lozinka nije stigla na mejl."/>		
6.	Unos podataka (email i novi password)			
COMMENT		<input type="text" value="Nemoguca prijava jer nemamo lozinku."/>		
7.	Kliknuti na dugme Sign in			
EXPECTED RESULT				
Uspjesna prijava, redirect na My profile				
COMMENT		<input type="text" value="Neuspjesna prijava, pronadjen bug."/>		

Customer Login

If there is an account associated with mduranovic2@etf.unsa.ba you will receive an email with a link to reset your password.

7.

27*: Neuspjesna registracija - lozinke se ne podudaraju				
1.	Otvoriti stranicu https://magento.softwaretestingboard.com/			
2.	Kliknuti na dugme "Create an Account" u gornjem desnom uglu stranice.			
3.	Unos podataka.			
4.	Kliknuti na dugme Create An Account			
EXPECTED RESULT				
Javija se greska, lozinke se ne podudaraju				

Password *

.....

Password Strength: Very Strong

Confirm Password *

.....

Please enter the same value again.

8.

28*: Neuspjesna registracija - nepotpunjena sva polja	
1. Otvoriti stranicu https://magento.softwaretestingboard.com/	✓ ✎
2. Kliknuti na dugme "Create an Account" u gornjem desnom uglu stranice.	✓ ✎
3. Unos podataka.	✓ ✎
4. Kliknuti na dugme Create An Account	✓ ✎
EXPECTED RESULT	
Javlja se greska, neko polje nije popunjeno	

First Name *

This is a required field.

Last Name *

This is a required field.

Sign-in Information

Email *

This is a required field.

Password *

Password Password No Password

This is a required field.

Confirm Password *

This is a required field.

9.

31*: Neuspjesna prijava - nevalidni podaci ili blokiran racun

1. Otvoriti stranicu <https://magento.softwaretestingboard.com/> ✓ ✎
 2. Kliknuti na dugme "Sign in" u gornjem desnom uglu stranice. ✓ ✎
 3. Unos email-a i lozinke. ✓ ✎
 4.  Kliknuti na dugme Sign in ✓ ✎
- EXPECTED RESULT
Javljaj se greska, nevalidni podaci ili blokiran racun

Customer Login



The account sign-in was incorrect or your account is disabled temporarily. Please wait and try again later.

10.

30*: Neuspjesna prijava - nevalidna email adresa

1. Otvoriti stranicu <https://magento.softwaretestingboard.com/> ✓ ✎
 2. Kliknuti na dugme "Sign in" u gornjem desnom uglu stranice. ✓ ✎
 3. Unos email-a i lozinke. ✓ ✎
 4.  Kliknuti na dugme Sign in ✓ ✎
- EXPECTED RESULT
Javljaj se greska, nevalidna email adresa

Email *

S

Please enter a valid email address (Ex: johndoe@domain.com).

Pronađeni bugovi:

BUG 32*

32 Resetovanje lozinke ne radi

No one selected | 0 Comments | Add Tag

State	New	Area	Projekat-3. dio
Reason	New	Iteration	Projekat-3. dio

Repro Steps

Opis:
Prilikom Sign in-a kada se pokuša resetovati lozinka, prikazuje se da je lozinka uspešno resetovana tj. da je lozinka stigla na email ali zapravo nije.

Korak po korak:

- Otvoriti stranicu <https://magento.softwaretestingboard.com/>
- Kliknuti na dugme Sign in u gornjem desnom uglu stranice
- Kliknuti na dugme Reset password
- Unijeti email adresu za oporavak racuna
- Kliknuti na dugme Reset password
- Unos podataka za prijavu (email i novi password)
- Kliknuti na dugme Sign in

Rezultat:
Vec u petom koraku javlja se greška, jer email sa linkom za novi password nije dobijen. Ostali koraci se ne mogu uspjesno završiti

Ocekivani rezultat:
Uspjesna prijava sa novom lozinkom.

Reproducibilnost:
Pokusano je sa 5 razlicitih accounta tj. emailova.

Planning

Resolved Reason

Story Points

Priority
2

Severity
2 - High

Activity

Effort (Hours)

Original Estimate

Remaining

Completed

System Info

Customer Login

If there is an account associated with mduranovic2@etf.unsa.ba you will receive an email with a link to reset your password.

Irma Galijašević

Testirana je funkcionalnost dodavanja proizvoda u korpu i checkout proces.

Urađeno je Boundary Value testiranje u okviru naručivanja određene količine nekog proizvoda gdje je naručeno 1 proizvod, više proizvoda i pokušano naručiti manje od 1 proizvoda.

Što se tiče klasa ekvivalencije u validnu klasu se svrstava proizvod kojeg ima u zalihamama, a u nevalidnu klasu proizvod kojeg nema u zalihamama. Dalje imamo vavalidnu i nevalidnu klasu za kupon za popust. Također se može unos podataka za dostavu podijeliti na validan i nevalidan(nepotpun).

<input type="checkbox"/> Dodavanje važećeg proizvoda u korpu	✖ Failed	1
<input type="checkbox"/> Pokušaj dodavanja proizvoda koji nije na zalihamu	∅ Not Applicable	2
<input type="checkbox"/> Dodavanje veće količine proizvoda u korpu	✓ Passed	3
<input type="checkbox"/> Dodavanje nevalidne količine proizvoda	✓ Passed	4
<input type="checkbox"/> Uspješno plaćanje s važećim podacima	✓ Passed	5
<input type="checkbox"/> Plaćanje s nepotpunim podacima za dostavu	✓ Passed	6
<input type="checkbox"/> Dodavanje brže dostave na narudžbu	✓ Passed	7
<input type="checkbox"/> Dodavanje nevalidnog koda za popust na narudžbu	✓ Passed	8
<input type="checkbox"/> Dodavanje validnog koda za popust na narudžbu	✓ Passed	9

Pronađen je jedan bug u prvom testu koji je prijavljen preko DevOps platforme:

System Info

Browser - Name	Google Chrome 131
Browser - Language	en-GB
Browser - Height	816
Browser - Width	724
Browser - User agent	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/131.0.0.0 Safari/537.36
Operating system - Name	Windows NT 10.0; Win64; x64
Operating system - Architecture	x86_64
Operating system - Processor model	AMD Ryzen 7 5800U with Radeon Graphics
Operating system - Number of processors	16
Memory - Available	8549335040
Memory - Capacity	16442789888
Display - Pixels per inch (X axis)	120
Display - Pixels per inch (Y axis)	120
Display - Device pixel ratio	1.25

BUG 37

37 IN STOCK proizvod se ne može dodati u korpu

No one selected

1 Comment Stock issue +

1. Passed

Otvoriti u pregledniku stranicu <https://magento.softwaretestingboard.com/>

Expected Result

Uspješno otvorena stranica

2. Passed

Odraditi prijavu na stranici

Expected Result

Uspješna prijava

3. Passed

Odabrati proizvod sa početne stranice

4. Passed

Provjeriti status zaliha (piše IN STOCK)

5. Failed

Kliknuti dugme "Add to Cart"

Expected Result

Proizvod je uspješno dodan u korpu. Sažetak korpe prikazuje ispravno ime proizvoda, količinu i cijenu.

BUG 37

37 IN STOCK proizvod se ne može dodati u korpu

No one selected

1 Comment Stock issue +

State: New

Area:

Projekat-3. dio

Reason: New

Iteration:

Projekat-3. dio\Iteration 1

Attachments

+ Add attachment

Name	Size	Date Added
Screenshot 2025-01-16 205650.png	6K	12m ago
Screenshot 2025-01-16 205641.png	19K	12m ago



Irma Galijašević commented 11m ago

Kada se otvore podaci proizvoda na stranici piše status IN STOCK. Kada se pritisne dugme Add to Cart stranica se refreshuje, međutim ne doda se proizvod u korpu i prikaže se poruka greške: "The requested qty is not available" što za default količinu od 1 ne bi trebao da bude problem obzirom da je to najmnja moguća količina i trebalo bi da se proizvod može dodati u korpu ako ima barem jedan komad dostupan u zalihamu kako je naznačeno statusom.

Očekivano ponašanje: proizvod se doda u korpu

Aktuelno ponašanje: prikaže se greška: "The requested qty is not available"

Ostali testovi su protekli uspješno, s tim da jedan test nije bilo moguće izvesti zbog neispunjениh preduslova.

Dodavanje veće količine proizvoda u korpu		
	Otvoriti u pregledniku stranicu: https://magento.softwaretestingboard.com/	
	Odraditi prijavu na stranici	
	Otvoriti detalje proizvoda kojeg ima u zalihami	
	Unijeti validnu količinu (npr.7) u polje za količinu	
	Kliknuti dugme u "Add to Cart"	Prikazuje se poruka da je proizvod dodan u korpu
	Otvoriti detalje korpe	U korpi je prikazan ispravan proizvod, ispravna količina i ukupna cijena.

Dodavanje nevalidne količine proizvoda		
	Otvoriti u pregledniku stranicu: https://magento.softwaretestingboard.com/	
	Odraditi prijavu na stranici	
	Odabratи proizvod kojeg ima u zalihami	
	Unijeti negativan broj (npr. -3) u polje za količinu	
	Kliknuti dugme "Add to Cart"	Sistem prikazuje poruku greške poput "Nevažeća količina", proizvod se ne dodaje u korpu"

Uspješno plaćanje s važećim podacima		
	Otvoriti u pregledniku stranicu: https://magento.softwaretestingboard.com/	
	Odraditi prijavu na stranici	
	Dodati makar jedan proizvoda u korpu koji je dostupan u zalihami	
	Kliknuti na dugme i otvoriti korpu	Svi dodani proizvodi su prisutni u korpi i sumarna cijena je ispravna
	Kliknuti na dugme "Proceed to checkout"	
	Popuniti podatke za dostavu	Podaci su prihvaćeni
	Odabratи besplatan način dostave	
	Potvrditi podatke o plaćanju	Prikazani su isti podaci koji su unijeti za primaoca
	Kliknuti dugme "Place Order"	Narudžba je potvrđena, prikazan je broj narudžbe i data je opcija printanja računa
	Otvoriti račun	Na računu je ispravno prikazano stanje korpe pred narudžbu

Plaćanje s nepotpunim podacima za dostavu		
	Otvoriti u pregledniku stranicu: https://magento.softwaretestingboard.com/	
	Odraditi prijavu na stranicu	
	Dodati makar jedan proizvod u korpu koji je dostupan u zalihamama	
	Kliknuti na dugme i otvoriti korpu	Svi dodani proizvodi su prisutni u korpi i sumarna cijena je ispravna
	Kliknuti na dugme "Proceed to checkout"	
	Ostaviti polje za adresu prazno	
	Pokušati nastaviti sa plaćanjem	Sistem prikazuje poruku o validaciji obaveznih polja poput "Adresa je obavezna", ne može se preći na plaćanje

Dodavanje brže dostave na narudžbu		
	Otvoriti u pregledniku stranicu: https://magento.softwaretestingboard.com/	
	Odraditi prijavu na stranicu	
	Dodati makar jedan proizvod u korpu koji je dostupan u zalihamama	
	Kliknuti na dugme i otvoriti korpu	Svi dodani proizvodi su prisutni u korpi i sumarna cijena je ispravna
	Kliknuti na dugme "Proceed to checkout"	
	Popuniti podatke za dostavu	
	Odabratи bržu dostavu	U krajnjem računu na sumarnu cijenu je ispravno dodana i cijena skuplje dostave
	Potvrditi podatke o plaćanju	Prikazani su isti podaci kao i za primaoca narudžbe
	Kliknuti dugme "Place Order"	Narudžba je potvrđena, prikazan je broj narudžbe i data je opcija printanja računa
	Otvoriti račun za printanje	Na računu je ispravno prikazano stanje korpe pred narudžbu

Dodavanje nevalidnog koda za popust na narudžbu		
	Otvoriti u pregledniku stranicu: https://magento.softwaretestingboard.com/	
	Odraditi prijavu na stranicu	
	Dodati makar jedan proizvod u korpu koji je dostupan u zalihamama	
	Kliknuti na dugme i otvoriti korpu	
	Kliknuti na dugme "Proceed to checkout"	
	Popuniti podatke za dostavu	
	Odabrati način dostave	
	Potvrditi podatke o plaćanju	
	Kliknuti na opciju Apply Discount Code"	
	Unijeti nevalidan kod (npr. 12345) i kliknuti dugme "Apply Discount"	Sistem šalje poruku upozorenja poput "Kod nije ispravan", nikakav popust se neće obračunati na cijenu

Dodavanje validnog koda za popust na narudžbu		
	Otvoriti u pregledniku stranicu: https://magento.softwaretestingboard.com/	
	Odraditi prijavu na stranicu	
	Dodati makar jedan proizvod u korpu koji je dostupan u zalihamama	
	Kliknuti na dugme i otvoriti korpu	Svi dodani proizvodi su prisutni u korpi i sumarna cijena je ispravna
	Kliknuti na dugme "Proceed to checkout"	
	Popuniti lične podatke za dostavu	
	Odabrati način dostave	
	Potvrditi podatke o plaćanju	Ponuđeni su isti podaci unijeti za prmaoca narudžbe
	Kliknuti na opciju Apply Discount Code	
	Unijeti validan kod (20poff) i kliknuti dugme "Apply Discount"	Kod je prihvачen daje 20% popusta na sve u korpi sa ispravnom računicom
	Kliknuti dugme "Place Order"	Narudžba je potvrđena, prikazan je broj narudžbe i data je opcija printanja računa
	Otvoriti račun za printanje	Na računu je ispravno prikazano stanje korpe za

Jasmina Pilav

Funkcionalnost odabrana za testiranje je kreiranje recenzije prijavljenog i neprijavljenog korisnika. Testni slučajevi su kreirani koristeći tehnike black box testiranja opisanih na predavanju, ekvivalentne particije i use case metoda.

Pri testiranju funkcionalnosti kreiranja recenzije, ulazni podaci su se mogli podijeliti na ekvivalentne particije. Validnu particiju predstavljaju podaci koji su prošli sva polja validacije i tačni su za postavljanje recenzije. Nevalidna particija je podrazumijevala nepotpun unos podataka za kreiranje recenzije ili neocijenjen proizvod.

Prikaz testnih slučajeva:

Recenzije (ID: 33)						Help
Test Points (6 items)		Outcome	Order	Test Case Id	Configuration	Tester
<input checked="" type="checkbox"/>	Title	Passed	1	34	Windows 10	Jasmina Pilav
<input type="checkbox"/>	Uspješno dodata recenzija bez prijave-unijeti svi podaci ispravno	Passed	2	35	Windows 10	Jasmina Pilav
<input type="checkbox"/>	Neuspješno dodavanje recenzije-nije unesen Nickname	Passed	3	38	Windows 10	Jasmina Pilav
<input type="checkbox"/>	Neuspješno dodavanje recenzije-nije izvršeno ocjenjivanje	Passed	4	39	Windows 10	Unassigned
<input type="checkbox"/>	Neuspješno dodavanje recenzije-nije unesen Summary	Passed	5	40	Windows 10	Unassigned
<input type="checkbox"/>	Neuspješno dodavanje recenzije-nije unesen Review	Passed	6	41	Windows 10	Unassigned
	Uspješno dodata recenzija s prethodnom prijavom -unijeti svi podaci ispravno	Passed				

Uspješno dodata recenija bez prijave:

34: Uspješno dodata recenzija bez prijave-unijeti svi podaci ispravno

- Otvaram aplikacije <https://magento.softwaretestingboard.com/>
- Pretraga proizvoda za ocjenjivanje
- Klik na button Reviews
- Rating (ocjenjivanje putem broja zvjezdica)
- Unos Nickname
- Unos Summary
- Unos Review
- Klik na button Submit Review

EXPECTED RESULT
You submitted your review for moderation.

Uspješno dodavanje recenzije sa prijavom:

Welcome, Ana Frankl! ▾

LUMA

What's New Women Men Gear Training Sale

Home > Juno jacket

You submitted your review for moderation.

Juno Jacket

★★★★★ 3 Reviews Add Your Review

As low as \$77.00 IN STOCK

SKU: WJ06

Size: XS S M L XL

Color: Blue Green

Qty: 1

Add to Cart

ADD TO WISHLIST ADD TO COMPARE

41: Uspješno dodata recenzija s prethodnom prijavom -unijeti svi podaci ispravno

- Otvaram aplikacije <https://magento.softwaretestingboard.com/>
- Klik na Sign In
- Unos Username i Lozinka
- Klik na Sign In
- Pretraga proizvoda za ocjenjivanje
- Klik na button Reviews
- Rating (ocjenjivanje putem broja zvjezdica)
- Nickname automatski stavljen (Firstname logovanog korisnika)
- Unos Summary
- Unos Review
- Klik na button Submit Review

EXPECTED RESULT
You submitted your review for moderation.

Neuspješno dodavanje recenzije- izostavljena ocjena:

You're reviewing:
Juno jacket

Your Rating *

Rating

★ ★ ★ ★ ★

Please select one or each of the ratings above.

Nickname *

Ana

Summary *

Great quality and perfect fit!

Review *

Comment.

Submit Review

Save and close | Create bug | ...

38: Neuspješno dodata recenzija - nije izvršeno ocjenjivanje

1. Otvaranje aplikacije
2. Odabir proizvoda za testiranje
3. Klik na dugme Review
4. Nije označena ni jedna zvjezdica
5. Unos Nickname
6. Unos Summary
7. Unos Review
8. ✓ Klik na button SubmitReview

EXPECTED RESULT

Please select one or each of the ratings above.

Neuspješno dodavanje recenzije-izostavljen Nickname:

You're reviewing:
Juno jacket

Your Rating *

Rating

★ ★ ★ ★ ★

Nickname *

This is a required field.

Summary *

Great quality and perfect fit!

Review *

Comment.

Submit Review

Save and close | Create bug | ...

35: Neuspješno dodavanje recenzije-nije uneseno Nickname

1. Otvaranje stranice <https://magento.softwaretestingboard.com/>
2. Pretraživanje proizvoda koji se ocjenjuje
3. Klik na dugme Review
4. Ocjenjivanje proizvoda putem zvjezdica
5. Unos Summary
6. Unos Review
7. ✓ Klik na dugme "submit review"

EXPECTED RESULT

Izostavljeno Nickname

Neuspješno dodavanje recenzije-izostavljen Summary:

You're reviewing:
Juno jacket

Your Rating *

Rating

★★★★★

Nickname *

Ana

Summary *

This is a required field.

Review *

Comment.

Submit Review

https://dev.azure.com/VVS-ITGirls-3/Projekat-3.%20dio/_testExecution/Index

39: Neuspješno dodavanje recenzije-nije unesen Summary

1. Otvaranje stranice <https://magento.softwaretestingboard.com/>
2. Pretraživanje proizvoda koji se ocjenjuje
3. Klik na dugme Review
4. Ocjenjivanje proizvoda putem zvjezdica
5. Unos Nickname
6. Unos Review
7. **Klik na dugme "Submit Review"**

EXPECTED RESULT

Izostavljeno Summary

Neuspješno dodavanje recenzije-izostavljeni Review:

You're reviewing:
Juno jacket

Your Rating *

Rating

★★★★★

Nickname *

Ana

Summary *

Great quality and perfect fit!

Review *

This is a required field.

Submit Review

https://dev.azure.com/VVS-ITGirls-3/Projekat-3.%20dio/_testExecution/Index

40: Neuspješno dodavanje recenzije-nije unesen Review

1. Otvaranje stranice <https://magento.softwaretestingboard.com/>
2. Pretraživanje proizvoda koji se ocjenjuje
3. Klik na dugme Review
4. Ocjenjivanje proizvoda putem zvjezdica
5. Unos Nickname
6. Unos Summary
7. **Klik na dugme "Submit Review"**

EXPECTED RESULT

Izostavljeno Review

Sara Dautbegović

Funkcionalnosti odabrane za testiranje su filtriranje i sortiranje proizvoda.

Testni slučajevi su kreirani koristeći tehnike black-box testiranja, uključujući ekvivalentne particije i analizu graničnih vrijednosti (BVA), te use case metodu.

Tokom testiranja provjeravali smo funkcionalnost filtriranja i sortiranja proizvoda u različitim scenarijima, filtriranje po jednoj ili više opcija, kombinovano filtriranje i sortiranje itd. Cilj je bio osigurati da filter i opcija sortiranja pravilno funkcionišu i daju očekivane rezultate.

Sve kreirane testne slučajeve smo uspješno izvršili, uključujući filtriranje po cijeni, veličini, boji i materijalu, te kombinovano filtriranje i sortiranje. Sortiranje proizvoda prema cijeni i imenu također je prošlo bez problema.

Slijedi prikaz testnih slučajeva.

Filtriranje i sortiranje (ID: 36)				Help
Define	Execute	Chart		
Test Points (6 items)		Run for web application		
Title	Outcome	Order	Test Case Id	
<input type="checkbox"/> Filtriranje po jednoj opciji - veličina (ekvivalentne particije)	Passed	1	42	
<input type="checkbox"/> Sortiranje po cijeni (BVA)	Passed	2	43	
<input type="checkbox"/> Filtriranje po dvije opcije - boja i materijal (ekvivalentne particije)	Passed	3	44	
<input type="checkbox"/> Sortiranje po imenu proizvoda (ekvivalentne particije)	Passed	4	45	
<input type="checkbox"/> Kombinovano filtriranje i sortiranje po cijeni (Use case testing)	Passed	5	46	
<input type="checkbox"/> Filtriranje po cijeni (BVA)	Passed	6	47	

✓ **Test passed**

Start time: 1/18/2025 9:05:54 PM | Duration: 0:00:56.816

Test steps

- ✓ 1. Otvoriti u pregledniku stranicu: <https://magento.softwaretestingboard.com/>

- ✓ 2. Izabrati kategoriju Women

- ✓ 3. Izabrati između Tops/Bottoms npr. Tops kategoriju Hoodies & Sweatshirts

- ✓ 4. Izabrati opciju filtriranja Size u Shopping options npr. M

Expected result Prikazuju se samo proizvodi veličine M

Now Shopping by

X Size: M

Clear All

Shopping Options

- STYLE
- CLIMATE
- COLOR
- ECO COLLECTION
- ERIN RECOMMENDS
- MATERIAL
- NEW
- PATTERN
- PERFORMANCE FABRIC
- PRICE
- SALE

Sort By Position ↑

12 Items

XS	S	M	L
XS	S	M	L
XL			

XS	S	M	L
XS	S	M	L
XL			

XS	S	M	L
XS	S	M	L
XL			

XS	S	M	L
XS	S	M	L
XL			

Circe Hooded Ice Fleece As low as \$68.00

Eos V-Neck Hoodie As low as \$54.00

Helena Hooded Fleece As low as \$55.00

Ariel Roll Sleeve Sweatshirt As low as \$39.00

Compare Products

You have no items to compare.

My Wish List

You have no items in your wish list.

Cassia Funnel Sweatshirt As low as \$48.00

Phoebe Zipper Hoodie As low as \$59.00

Daphne Full-Zip Hoodie ★★★★☆ 2 Reviews As low as \$59.00

Selene Yoga Hoodie ★★★★☆ 3 Reviews As low as \$42.00

XS	S	M	L
XS	S	M	L
XL			

XS	S	M	L
XS	S	M	L
XL			

XS	S	M	L
XS	S	M	L
XL			

XS	S	M	L
XS	S	M	L
XL			

Run 77 - Filtriranje i sortiranje (Manual) / Sortiranje po cijeni (BVA)

Summary

Bug ▾ | Link | Update analysis | Add attachment

Details

✓ **Test passed** Start time: 1/18/2025 9:23:45 PM | Duration: 0:01:45.910

Test steps

- ✓ 1. Otvoriti u pregledniku stranicu: <https://magento.softwaretestingboard.com/>
- ✓ 2. Izabrati kategoriju Men
- ✓ 3. Izabrati između Tops/Bottoms npr. Bottoms kategoriju Pants
- ✓ 4. Izabrati opciju sortiranja u Sort By - Price

Expected result Sortirani artikli po cijenama u rastućem ili padajućem redoslijedu u zavisnosti šta je zadano.

Shopping Options

12 Items

Sort By **Price**

Product	Style	Color	Size	Rating	Reviews
Mithra Warmup Pant	Warmup	Grey	32, 33, 34, 36	★☆☆☆☆	3 Reviews
Caesar Warm-Up Pant	Warmup	Grey	32, 33, 34, 36	★☆☆☆☆	3 Reviews
Supernova Sport Pant	Sport	Grey	32, 33, 34, 36	★★★★★	3 Reviews
Viktor LumaTech™ Pant	LumaTech	Black	32, 33, 34, 36	★☆☆☆☆	3 Reviews
Cronus Yoga Pant	Yoga	Black	32, 33, 34, 36	★★★★★	2 Reviews
Geo Insulated Jogging Pant	Jogging	Black	32, 33, 34, 36	★★★★★	2 Reviews
Kratos Gym Pant	Gym	Blue	32, 33, 34, 36	★★★★★	3 Reviews
Orestes Yoga Pant	Yoga	Black	32, 33, 34, 36	★★★★★	2 Reviews

Compare Products
You have no items to compare.

My Wish List
You have no items in your wish list.

Run 78 - Filtriranje i sortiranje (Manual) / Filtriranje po dvije opcije - boja i materijal (ekvivalentne particije)

Summary

↻ Bug ▾ Link Update analysis Add attachment

Test passed Start time: 1/18/2025 9:30:11 PM | Duration: 0:01:02.511

Test steps

1. Otvoriti u pregledniku stranicu: <https://magento.softwaretestingboard.com/>
2. Izabrati kategoriju Women
3. Izabrati između Tops/Bottoms npr. Bottoms kategoriju shorts
4. Izabrati opciju filtriranja Color = Black i Material = Organic Cotton

Expected result Svi prikazani rezultati su pamučni šorcevi crne boje

Now Shopping by



2 Items

✗ **Color:** Black

✗ **Material:** Organic Cotton

[Clear All](#)

Shopping Options

STYLE ▾



SIZE ▾



CLIMATE ▾

Ana Running Short

Fiona Fitness Short

ECO COLLECTION ▾

★★★★★ 3 Reviews

★★★★★ 3 Reviews

ERIN RECOMMENDS ▾

As low as \$40.00

As low as \$29.00

NEW ▾

28 29

28 29 30 31

PATTERN ▾

32

PERFORMANCE FABRIC ▾



PRICE ▾

Run 79 - Filtriranje i sortiranje (Manual) / Sortiranje po imenu proizvoda (ekvivalentne particije)

Summary

Test passed Start time: 1/18/2025 9:44:50 PM | Duration: 0:00:52.879

Test steps

1. Otvoriti u pregledniku stranicu: <https://magento.softwaretestingboard.com/>
2. Izabrati kategoriju Women
3. Izabrati između Tops/Bottoms npr. Tops kategoriju Bras & Tanks
4. Izabrati opciju sortiranja u dijelu Sort By Product Name

Expected result Svi artikli sortirani (asc/desc) po imenu proizvoda

Shopping Options

STYLE
SIZE
CLIMATE
COLOR
ECO COLLECTION
ERIN RECOMMENDS
MATERIAL
NEW
PATTERN
PERFORMANCE FABRIC
PRICE
SALE

Items 1-12 of 14

Sort By Product Name ↑

Antonia Racer Tank	Bella Tank	Breathe-Easy Tank	Celeste Sports Bra
★★★☆☆ 3 Reviews As low as \$34.00	★★★★☆ 2 Reviews As low as \$29.00	★★★★☆ 2 Reviews As low as \$34.00	★★★☆☆ 3 Reviews As low as \$39.00

Compare Products

You have no items to compare.

My Wish List

You have no items in your wish list.



Run 80 - Filtriranje i sortiranje (Manual) / Kombinovano filtriranje i sortiranje po cijeni (Use case testing)

Summary

↻ | Bug ▾ | ⚡ Link | 🖊 Update analysis | 📁 Add attachment

✓ **Test passed** Start time: 1/18/2025 9:48:28 PM | Duration: 0:01:15.297

Test steps

- ✓ 1. Otvoriti u pregledniku stranicu: <https://magento.softwaretestingboard.com/>
- ✓ 2. Izabratи kategoriju Men
- ✓ 3. Izabratи između Tops/Bottoms npr. Tops kategoriju Jackets
- ✓ 4. Izabratи opciju filtriranja Color = Blue u Shopping Options
- ✓ 5. Izabratи opcije sortiranja Price u Sort By dijelu

Expected result Sve prikazane jakne su plave i sortirane po njihovoј cijeni

Now Shopping by

Sort By **Price** ↑

✗ **Color: Blue**
Clear All

Shopping Options

STYLE	▼
SIZE	▼
CLIMATE	▼
ECO COLLECTION	▼
ERIN RECOMMENDS	▼
MATERIAL	▼
NEW	▼
PATTERN	▼
PERFORMANCE FABRIC	▼
PRICE	▼
SALE	▼

Proteus Fitness Jackshirt
As low as \$45.00

Black, Blue, Orange

Kenobi Trail Jacket
★★★★★ 3 Reviews
As low as \$47.00

Black, Blue, Orange, Purple

Jupiter All-Weather Trainer
★★★★★ 3 Reviews
As low as \$56.99

Blue, Green, Purple

Taurus Elements Shell
★★★★★ 2 Reviews
As low as \$65.00

Blue, White, Yellow

Lando Gym Jacket
★★★★★ 3 Reviews
As low as \$99.00


Compare Products
You have no items to compare.

My Wish List
You have no items in your wish list.

Run 81 - Filtriranje i sortiranje (Manual) / Filtriranje po cijeni (BVA)

Summary

[Run](#) | [Bug](#) ▾ | [Link](#) | [Update analysis](#) | [Add attachment](#)

✓ **Test passed** Start time: 1/18/2025 9:52:59 PM | Duration: 0:01:08.976

Test steps

1. Otvoriti u pregledniku stranicu: <https://magento.softwaretestingboard.com/>
2. Izabrati kategoriju Women
3. Izabrati između Tops/Bottoms npr. Tops kategoriju Jackets
4. Izabrati opciju filtriranja Price u Shopping Options, npr. \$70.00 - \$79.99

Expected result Svi prikazani proizvodi imaju cijenu između dvije granične vrijednosti

Now Shopping by [Grid](#) [List](#) 3 Items Sort By Position ↑

[X](#) Price: \$70.00 - \$79.99 [Clear All](#)

Shopping Options

STYLE	▼
SIZE	▼
CLIMATE	▼
COLOR	▼
ECO COLLECTION	▼
ERIN RECOMMENDS	▼
MATERIAL	▼
NEW	▼
PATTERN	▼
PERFORMANCE FABRIC	▼

 Olivia 1/4 Zip Light Jacket As low as **\$77.00**
 Juno Jacket As low as **\$77.00**
 Stellar Solar Jacket As low as **\$75.00**

Zadatak 2

Mina Duranović

1. Uspješna registracija

	Command	target	value
1	✓ open	/	
2	✓ set window size	1440x812	
3	✓ click	linkText=Create an Account	
4	✓ click	id=firstname	
5	✓ type	id=firstname	Adna
6	✓ click	id=lastname	
7	✓ type	id=lastname	Hajdarevic
8	✓ click	id=email_address	
9	✓ type	id=email_address	duranammar@gmail.com
10	✓ click	css=.field:nth-child(4)	
11	✓ click	id=password	
12	✓ type	id=password	Minaduranovic123
13	✓ click	id=password-confirmation	
14	✓ type	id=password-confirmation	Minaduranovic123
15	✓ click	css=.submit > span	

2. Uspješna prijava



The screenshot shows a browser window with the URL https://magento.softwaretestingboard.com. The page displays a sign-in form with fields for email and password, and a 'Sign In' button.

	Command	Target	Value
1	✓ open	/	
2	✓ set window size	1440x802	
3	✓ click	linkText=Sign In	
4	✓ click	id=email	
5	✓ type	id=email	minaduranovic@gmail.com
6	✓ click	id=pass	
7	✓ type	id=pass	Md25082006
8	✓ click	css=.primary:nth-child(1) > #send2 > span	

3. Neuspješna registracija - sa već postojećom email adresom

	Command	Target	Value
1	✓ open	/	
2	✓ set window size	1440x802	
3	✓ click	linkText=Create an Account	
4	✓ click	id=firstname	
5	✓ type	id=firstname	Mina
6	✓ click	id=lastname	
7	✓ type	id=lastname	Duranovic
8	✓ click	id=email_address	
9	✓ type	id=email_address	minaduranovic@gmail.com
10	✓ click	id=password	
11	✓ type	id=password	Md123456
12	✓ click	css=.confirmation	
13	✓ click	css=.confirmation	
14	✓ click	id=password-confirmation	
15	✓ type	id=password-confirmation	Md123456
16	✓ click	css=.submit > span	

4. Neuspješna prijava - nepotpunjena sva polja

	Command	Target
1	✓ open	/
2	✓ set window size	1440x812
3	✓ click	linkText=Sign In
4	✓ click	id=send2

5. Neuspješna registracija - nedovoljno jaka lozinka

	Command	Target	Value
1	✓ open	/	
2	✓ set window size	1440x812	
3	✓ click	linkText=Create an Account	
4	✓ click	id=firstname	
5	✓ type	id=firstname	Adna
6	✓ click	id=lastname	
7	✓ type	id=lastname	Hajdarevic
8	✓ click	id=email_address	
9	✓ type	id=email_address	adna.hajdarevic29092003@gmail.com
10	✓ click	id=password	
11	✓ type	id=password	1234
12	✓ click	id=password-confirmation	
13	✓ type	id=password-confirmation	1234
14	✓ click	css=.submit > span	

6. Uspješna prijava - sa resetom zaboravljene lozinke Pao test bag

Command	Target	Value
1 ✓ open	/	
2 ✓ set window size	1440x812	
3 ✓ click	linkText=Sign In	
4 ✓ click	css=.remind > span	
5 ✓ click	id=email_address	
6 ✓ type	id=email_address	minaduranovic@gmail.com
7 ✓ click	css=.submit > span	
8 ✓ click	css=.primary:nth-child(1) > #send2 > span	
9 ✓ mouse over	css=.primary:nth-child(1) > #send2 > span	
10 ✓ mouse out	css=.primary:nth-child(1) > #send2 > span	

7. Neuspješna registracija - lozinke se ne podudaraju

Command	Target	Value
1 ✓ open	/	
2 ✓ set window size	1440x812	
3 ✓ click	linkText=Create an Account	
4 ✓ click	id=firstname	
5 ✓ type	id=firstname	Adna
6 ✓ click	id=lastname	
7 ✓ type	id=lastname	Hajdarevic
8 ✓ click	id=email_address	
9 ✓ type	id=email_address	adna.hajdarevic29092003@gmail.com
10 ✓ click	css=.field:nth-child(4)	
11 ✓ click	id=password	
12 ✓ type	id=password	Md1234566
13 ✓ click	id=password-confirmation	
14 ✓ type	id=password-confirmation	Minamina
15 ✓ click	css=.submit > span	

8. Neuspješna registracija - nepotpunjena sva polja

	Command	Target
1	✓ <i>open</i>	/
2	✓ <i>set window size</i>	1440x812
3	✓ <i>click</i>	linkText=Create an Account
4	✓ <i>click</i>	css=.submit
5	✓ <i>mouse over</i>	css=.submit
6	✓ <i>mouse out</i>	css=.submit

9. Neuspješna prijava - nevalidni podaci ili blokiran račun

	Command	target	value
1	✓ <i>open</i>	/	
2	✓ <i>set window size</i>	1440x812	
3	✓ <i>click</i>	linkText=Sign In	
4	✓ <i>click</i>	id=email	
5	✓ <i>type</i>	id=email	minaduranovic@gmail.com
6	✓ <i>click</i>	id=pass	
7	✓ <i>type</i>	id=pass	123456
8	✓ <i>click</i>	id=send2	

10. Neuspješna prijava - nevalidna email adresa

	Command	Target
1	✓ <i>open</i>	/
2	✓ <i>set window size</i>	1440x812
3	✓ <i>click</i>	linkText=Sign In
4	✓ <i>click</i>	id=email
5	✓ <i>type</i>	id=email
6	✓ <i>click</i>	css=.primary:nth-child(1) > #send2 > span
7	✓ <i>mouse over</i>	css=.primary:nth-child(1) > #send2 > span
8	✓ <i>mouse out</i>	css=.primary:nth-child(1) > #send2 > span

Automatizacija testova pomoću NUnit

Irma Galijašević

- ✓ 1. Prijava
- ✓ 2. Dodavanje važečeg proizvoda u korpu
- ✓ 4. Dodavanje veće količine proizvoda u korpu
- ✓ 5. Dodavanje nevalidne količine proizvoda
- ✓ 6. Plaćanje sa nepotpunim podacima za dostavu
- ✓ 7. Uspješno plaćanje sa važećim podacima
- ✓ 8. Dodavanje brže dostave na narudžbu
- ✓ 9. Dodavanje nevalidnog koda za popust na narudžbu
- ✓ 10. Dodavanje validnog koda za popust na narudžbu

Project: Luma Magento testing*			
Tests	+	Command	Target
✓ 1. Prijava*		1 ✓ open	https://magento.softwaretestingboard.com/
✓ 2. Dodavanje važečeg proizvoda u korpu		2 ✓ click	css=.product-item:nth-child(1) .product-image-photo
4. Dodavanje veće količine proizvoda u korpu		3 ✓ mouse over	css=.fotorama__img
5. Dodavanje nevalidne količine proizvoda u korpu		4 ✓ mouse out	css=.fotorama__active > .fotorama__img
6. Plaćanje sa nepotpunim podacima za dostavu		5 ✓ click	id=option-label-size-143-item-167
7. Uspješno plaćanje sa važećim podacima za dostavu		6 ✓ click	id=option-label-color-93-item-56
✓ 8. Dodavanje brže dostave na narudžbu		7 ✓ click	css=#product-addtocart-button > span
✓ 9. Dodavanje nevalidnog koda za popust na narudžbu		8 ✓ run script	window.scrollTo(0,352.79998779296875)
✓ 10. Dodavanje validnog koda za popust na narudžbu		9 ✓ click	linkText=shopping cart
		10 ✓ assert text	xpath=//*[@id="shopping-cart-table"]/tbody/tr[1]/td[1]/div/strong
		11 ✓ click	xpath=//*[@id="shopping-cart-table"]/tbody/tr[2]/td/div/a[3]

Project: Luma Magento testing*

The screenshot shows a test recording interface with the following details:

- Project:** Luma Magento testing*
- Test Name:** Prijava*
- URL:** https://magento.softwaretestingboard.com/
- Commands:** 16 steps recorded.
- Summary:**
 - Step 1: Click on the product image.
 - Step 4: Click on the size dropdown and select "143".
 - Step 6: Click on the quantity input field and type "7".
 - Step 14: Assert that the item "Radiant Tee" is added to the shopping cart.
 - Step 15: Assert that the quantity is "7".
 - Step 16: Click on the "View Cart" link.

Project: Luma Magento testing*

The screenshot shows a test recording interface with the following details:

- Project:** Luma Magento testing*
- Test Name:** Prijava*
- URL:** https://magento.softwaretestingboard.com/
- Commands:** 13 steps recorded.
- Summary:**
 - Step 1: Open the browser window.
 - Step 2: Set the window size to 1040x736.
 - Step 5: Click on the product image.
 - Step 6: Click on the size dropdown and select "143".
 - Step 7: Click on the quantity input field and type "-3".
 - Step 12: Assert that an error message "Please enter a quantity greater than 0." is present.
 - Step 13: Assert that the text "Please enter a quantity greater than 0." is displayed.

Selenium IDE - Luma Magento testing*

Project: Luma Magento testing*

Tests + D E Run current test Ctrl+R testingboard.com/ REC

Search tests...

	Command	Target	Value
✓ 1. Prijava*	6 ✓ run script	window.scrollTo(0,352)	
✓ 2. Dodavanje važećeg proizvoda	7 ✓ click	linkText=shopping cart	
✓ 4. Dodavanje veće količine proizvoda	8 ✓ click	css=.checkout > span	
✓ 5. Dodavanje nevalidne količine proizvoda	9 ✓ click	name=city	
✓ 6. Plaćanje sa nepotpunim podacima	10 ✓ type	name=city	Test city
7. Uspješno plaćanje sa važećim podacima	11 ✓ click	name=region_id	
✓ 8. Dodavanje brže dostave na adresu	12 ✓ select	name=region_id	label=Arkansas
✓ 9. Dodavanje nevalidnog kodova	13 ✓ click	name=postcode	
✓ 10. Dodavanje validnog koda	14 ✓ run script	window.scrollTo(0,505)	
	15 ✓ type	name=postcode	71657
	16 ✓ click	name=telephone	
	17 ✓ type	name=telephone	123456789
	18 ✓ click	css=.row:nth-child(1) .radio	
	19 ✓ click	css=.button > span	
	20 ✓ assert text	xpath=//span[contains(.,'This is a required field.')]	This is a required field.

Command Target Value

Target

Description

Log Reference

✓ 7. Uspješno plaćanje sa važećim podacima*

https://magento.softwaretestingboard.com/

	Command	Target	Value
✓ 7. Uspješno plaćanje sa važećim podacima*	4 click	id=option-label-size-143-item-167	
	5 click	id=option-label-color-93-item-56	
	6 click	css=#product-addtocart-button > span	
	7 run script	window.scrollTo(0,352)	
	8 click	linkText=shopping cart	
	9 click	css=.checkout > span	
	10 click	name=street[0]	
	11 type	name=street[0]	Test Street123
	12 click	css=.button > span	
	13 run script	window.scrollTo(0,0)	
	14 click	css=.checkout > span	
	15 ✓ assert element present	xpath=//*[@id='maincontent']/div[3]/div/div[2]/p[1][contains(string(),'Your order number is:')]	Your order number is: [REDACTED]

✓ 8. Dodavanje brže dostave na narudžbu*

https://magento.softwaretestingboard.com/		
	Command	Target
2	click	css=.product-item:nth-child(1) > .product-item-info .product-image-photo
3	click	id=option-label-size-143-item-167
4	click	id=option-label-color-93-item-56
5	click	css=#product-addtocart-button > span
6	mouse over	css=#product-addtocart-button > span
7	mouse out	css=#product-addtocart-button > span
8	click	linkText=shopping cart
9	click	css=item > .primary
10	click	name=ko_unique_2
11	click	css=button
12	run script	window.scrollTo(0,0)
13	click	css=payment-method-title
14	✓ assert element present	xpath=/div[@id='opc-sidebar']//table/tbody/tr[2]/td[2]/span[2][contains(string(),'Best Way - Table Rate')]

Executing ▾

✓ 9. Dodavanje nevalidnog koda za popust na narudžbu*

https://magento.softwaretestingboard.com/		
	Command	Target
8	click	linkText=shopping cart
9	click	css=checkout > span
10	click	css=button > span
11	mouse over	css=button > span
12	mouse out	css=button > span
13	run script	window.scrollTo(0,0)
14	click	css=#block-discount-heading > span
15	click	css=#discount-code
16	type	css=#discount-code
		12345
17	✓ click	css=action-apply
18	✓ pause	1500
19	✓ assert element present	css=message-error > div
20	✓ assert text	css=message-error > div
		The coupon code isn't valid. Verify the code and try again.

Executing ▾

✓ 10. Dodavanje validnog koda za popust na narudžbu*

https://magento.softwaretestingboard.com/

	Command	Target	Value
9	click	css=item > .primary	
10	click	css=button	
11	mouse over	css=button	
12	mouse out	css=button	
13	run script	window.scrollTo(0,0)	
14	click	css=#block-discount-heading > span	
15	✓ click	id=discount-code	
16	✓ type	id=discount-code	20poff
17	✓ click	css=action-apply > span > span	
18	✓ assert element present	xpath=/div[@id='opc-sidebar']/div/table/tbody/tr[2]/th/span	
19	✓ assert text	css=mark > title	Discount (Get flat 20% off on all products)
20	✓ store text	css=sub_price	price
21	✓ store text	css=discount_price	discount
22	✓ echo		\${price} \${discount}

NUnit testovi:

✗	DodavanjeUKorpulCheckoutTests ...	2.2 min
✓	DodavanjeBrzeDostaveNaNaru...	18.2 sec
✓	DodavanjeNevalidneKolicinePr...	7.9 sec
✗	DodavanjeNevalidnogKodaZaP...	25.1 sec
✓	DodavanjeValidnogKodaZaPop...	19.5 sec
✓	DodavanjeVazecegProizvodaUK...	11.3 sec
✓	DodavanjeVeceKolicineProizvo...	12.3 sec
✓	PlacanjeSaNepotpunimPodaci...	14.3 sec
✓	UspjesnoPlacanjeSaVazecimPod...	20.5 sec

Code Metrics Results Fine Code Coverage Test Explorer Error List Output

```
namespace MagentoLumaTesting
{
    [TestFixture]
    0 references
    public class DodavanjeUKorpuICheckoutTests
    {
        private IWebDriver driver;
        private IJavaScriptExecutor js;
        private ProductPage productPage;
        private CheckoutPage checkoutPage;
        private DiscountPage discountPage;

        [SetUp]
        0 references
        public void Setup()
        {
            TestContext.WriteLine("Setup starts");
            SingletonWebDriver.QuitDriver();
            driver = SingletonWebDriver.GetDriver();
            js = (IJavaScriptExecutor)driver;
            driver.Manage().Window.Maximize();
            productPage = new ProductPage(driver);
            checkoutPage = new CheckoutPage(driver);
            discountPage = new DiscountPage(driver);
            TestContext.WriteLine("Setup complete");
        }

        [TearDown]
        0 references
        public void TearDown()
        {
            TestContext.WriteLine("TearDown starts");
            SingletonWebDriver.QuitDriver();
            driver.Dispose();
            TestContext.WriteLine("TearDown complete");
        }
    }
}
```

```

8 references | 0 | 7/8 passing
public void Prijava_SetUp()
{
    driver.Navigate().GoToUrl("https://magento.softwaretestingboard.com/");
    driver.FindElement(By.LinkText("Sign In")).Click();
    driver.FindElement(By.Id("email")).Click();
    driver.FindElement(By.Id("email")).SendKeys("mutole@cyclelove.cc");
    driver.FindElement(By.Id("pass")).Click();
    driver.FindElement(By.Id("pass")).SendKeys("Vvs19459.");
    driver.FindElement(By.CssSelector(".primary:nth-child(1) > #send2 > span")).Click();
}

[Test, Order(1)]
0 | 0 references
public void DodavanjeVazecegProizvodaUKorpu()
{
    Console.WriteLine($"Executing test: {TestContext.CurrentContext.Test.Name}");
    Prijava_SetUp();
    productPage.SelectProduct(1);
    productPage.SelectProductOptions("option-label-size-143-item-167", "option-label-color-93-item-56");
    productPage.AddToCart();
    js.ExecuteScript("window.scrollTo(0,352.79998779296875)");
    productPage.GoToShoppingCart();
    productPage.VerifyProductNameInCart("Radiant Tee");
    productPage.EmptyShoppingCart();
    Console.WriteLine($"Completed test: {TestContext.CurrentContext.Test.Name}");
}

```

```

[Test, Order(2)]
0 | 0 references
public void DodavanjeVeceKolicineProizvodaUKorpu()
{
    Prijava_SetUp();
    productPage.SelectProduct(1);
    productPage.SelectProductOptions("option-label-size-143-item-167", "option-label-color-93-item-56");
    productPage.SetQuantityOfProduct(7);
    productPage.AddToCart();
    js.ExecuteScript("window.scrollTo(0,452)");
    productPage.GoToShoppingCart();
    productPage.VerifyProductNameInCart("Radiant Tee");
    productPage.VerifyLargerQuantity();
    productPage.EmptyShoppingCart();
}

[Test, Order(3)]
0 | 0 references
public void DodavanjeNevalidneKolicineProizvoda()
{
    TestContext.WriteLine($"Executing test: {TestContext.CurrentContext.Test.Name}");
    Prijava_SetUp();
    productPage.SelectProduct(1);
    productPage.SelectProductOptions("option-label-size-143-item-167", "option-label-color-93-item-56");
    productPage.SetQuantityOfProduct(-3);
    productPage.AddToCart();
    productPage.VerifyQuantityError();
    TestContext.WriteLine($"Completed test: {TestContext.CurrentContext.Test.Name}");
}

```

```
[Test, Order(4)]
● | 0 references
public void PlacanjeSaNepotpunimPodacimaZaDostavu()
{
    Prijava_SetUp();
    productPage.SelectProduct(1);
    productPage.SelectProductOptions("option-label-size-143-item-167", "option-label-color-93-item-56");
    productPage.AddToCart();
    js.ExecuteScript("window.scrollTo(0,352)");
    productPage.GoToShoppingCart();
    checkoutPage.PceedToCheckout();
    checkoutPage.EnterCity("city");
    checkoutPage.SelectRegion("Arkansas");
    js.ExecuteScript("window.scrollTo(0,505)");
    checkoutPage.EnterPostcode("71657");
    checkoutPage.EnterTelephone("123456789");
    checkoutPage.SelectShipping();
    checkoutPage.SubmitOrder();
    checkoutPage.VerifyRequiredFieldError("This is a required field.");
}

[Test, Order(5)]
● | 0 references
public void UspjesnoPlacanjeSaVazecimPodacima()
{
    Prijava_SetUp();
    productPage.SelectProduct(1);
    productPage.SelectProductOptions("option-label-size-143-item-167", "option-label-color-93-item-56");
    productPage.AddToCart();
    js.ExecuteScript("window.scrollTo(0,352)");
    productPage.GoToShoppingCart();
    checkoutPage.PceedToCheckout();
    checkoutPage.EnterAddress("Test Street 123");
    checkoutPage.EnterCity("city");
    checkoutPage.SelectRegion("Arkansas");
    js.ExecuteScript("window.scrollTo(0,505)");
    checkoutPage.EnterPostcode("71657");
    checkoutPage.EnterTelephone("123456789");
    checkoutPage.SelectShipping();
    checkoutPage.SubmitOrder();
    checkoutPage.PceedToOrder();
    driver.Navigate().Refresh();
    checkoutPage.VerifyOrderConfirmation();
}
```

```
[Test, Order(6)]
➊ | 0 references
public void DodavanjeBrzeDostaveNaNarudzbu()
{
    Prijava_SetUp();
    productPage.SelectProduct(1);
    productPage.SelectProductOptions("option-label-size-143-item-167", "option-label-color-93-item-56");
    productPage.AddToCart();
    productPage.GoToShoppingCart();
    driver.FindElement(By.CssSelector(".item > .primary")).Click();
    driver.FindElement(By.Name("ko_unique_2")).Click();
    driver.FindElement(By.CssSelector(".button")).Click();
    js.ExecuteScript("window.scrollTo(0,0)");
    checkoutPage.VerifyDeliveryMethod();
}

[Test, Order(7)]
➌ | 0 references
public void DodavanjeNevalidnogKodaZaPopustNaNarudzbu()
{
    Prijava_SetUp();
    productPage.SelectProduct(1);
    productPage.SelectProductOptions("option-label-size-143-item-167", "option-label-color-93-item-56");
    productPage.AddToCart();
    js.ExecuteScript("window.scrollTo(0,352)");
    productPage.GoToShoppingCart();
    checkoutPage.ProceedToCheckout();
    checkoutPage.SubmitOrder();
    discountPage.OpenDiscountPanel();
    discountPage.ApplyDiscountCode("123");
    discountPage.VerifyDiscountError("The coupon code isn't valid. Verify the code and try again.");
}
```

```
[Test, Order(8)]
➊ | 0 references
public void DodavanjeValidnogKodaZaPopustNaNarudzbu()
{
    Prijava_SetUp();
    productPage.SelectProduct(1);
    productPage.SelectProductOptions("option-label-size-143-item-167", "option-label-color-93-item-56");
    productPage.AddToCart();
    js.ExecuteScript("window.scrollTo(0,452)");
    productPage.GoToShoppingCart();
    checkoutPage.ProceedToCheckout();
    checkoutPage.SubmitOrder();
    js.ExecuteScript("window.scrollTo(0,0)");
    discountPage.OpenDiscountPanel();
    discountPage.ApplyDiscountCode("20poff");
    discountPage.VerifyDiscountApplied("Discount (Get flat 20% off on all products)");
}
```

```

public class ProductPage
{
    private IWebDriver driver;
    private IJavaScriptExecutor js;

    1 reference
    public ProductPage(IWebDriver driver)
    {
        this.driver = driver;
        this.js = (IJavaScriptExecutor)driver;
    }
    8 references | 0/8 passing
    public void SelectProduct(int productIndex)
    {
        driver.FindElement(By.CssSelector($"#product-item:nth-child({productIndex}) .product-image-photo")).Click();
    }
    8 references | 0/8 passing
    public void SelectProductOptions(string sizeOption, string colorOption)
    {
        driver.FindElement(By.Id(sizeOption)).Click();
        driver.FindElement(By.Id(colorOption)).Click();
    }
    8 references | 0/8 passing
    public void AddToCart()
    {
        driver.FindElement(By.CssSelector("#product-addtocart-button > span")).Click();
    }
    7 references | 0/7 passing
    public void GoToShoppingCart()
    {
        driver.FindElement(By.LinkText("shopping cart")).Click();
    }
    2 references | 0/2 passing
    public void VerifyProductNameInCart(string productName)
    {
        Assert.That(driver.FindElement(By.XPath("//*[@id=\\"shopping-cart-table\\"]/tbody/tr[1]/td[1]/div/strong")).Text, Is.EqualTo(productName));
    }
    2 references | 0/2 passing
    public void EmptyShoppingCart()
    {
        driver.FindElement(By.CssSelector(".action-delete")).Click();
    }
    2 references | 0/2 passing
    public void SetQuantityOfProductCart(int quantity)
}

```

```

public CheckoutPage(IWebDriver driver)
{
    this.driver = driver;
    this.js = (IJavaScriptExecutor)driver;
}

4 references | 0/4 passing
public void ProceedToCheckout()
{
    TestContext.WriteLine("Proceeding to checkout...");
    IWebElement checkoutButton = driver.FindElement(By.CssSelector(".checkout > span"));
    ((IJavaScriptExecutor)driver).ExecuteScript("arguments[0].click()", checkoutButton);
    TestContext.WriteLine("Checkout button clicked.");
}

2 references | 0/2 passing
public void EnterCity(string city)
{
    TestContext.WriteLine($"Entering city: {city}");
    IWebElement cityField = driver.FindElement(By.Name("city"));
    ((IJavaScriptExecutor)driver).ExecuteScript("arguments[0].click()", cityField);
    ((IJavaScriptExecutor)driver).ExecuteScript("arguments[0].value = arguments[1]", cityField, city);
    cityField.SendKeys(Keys.Enter); // Simulate pressing Enter
    TestContext.WriteLine("City entered.");
}

1 reference | 0/1 passing
public void EnterAddress(string address)
{
    TestContext.WriteLine($"Entering address: {address}");
    IWebElement addressField = driver.FindElement(By.Name("street[0]"));
    ((IJavaScriptExecutor)driver).ExecuteScript("arguments[0].click()", addressField);
    ((IJavaScriptExecutor)driver).ExecuteScript("arguments[0].value = arguments[1]", addressField, address);
    addressField.SendKeys(Keys.Enter); // Simulate pressing Enter
    TestContext.WriteLine("Address entered.");
}

```

```

public DiscountPage(IWebDriver driver)
{
    this.driver = driver;
    TestContext.WriteLine("DiscountPage initialized.");
}

2 references | 0/2 passing
public void ApplyDiscountCode(string discountCode)
{
    TestContext.WriteLine($"Entering discount code: {discountCode}");

    // Find the discount code input field and enter the discount code
    IWebElement discountCodeField = driver.FindElement(By.Id("discount-code"));
    discountCodeField.SendKeys(discountCode);
    TestContext.WriteLine("Discount code entered.");
    Thread.Sleep(2000);
    // Using JavaScriptExecutor to click the Apply Discount button
    IJavaScriptExecutor js = (IJavaScriptExecutor)driver;
    IWebElement button = (IWebElement)js.ExecuteScript("return document.querySelector('#discount-form > div.actions-toolbar > div > button');");
    // Perform the click action using JavaScript
    js.ExecuteScript("arguments[0].click()", button); // JavaScript click

    TestContext.WriteLine("Clicked the Apply Discount button.");
}

2 references | 0/2 passing
public void OpenDiscountPanel()
{
    TestContext.WriteLine("Opening discount panel...");

    // Using JavaScriptExecutor to click the element
}

```

Jasmina Pilav

Uspješno dodata recenzija s prethodnom prijavom

Search tests...	Q	https://magento.softwaretestingboard.com/	
	Command	Target	Value
✓ NeuspjesnaRecenzija-IzostavljenaOcjena*	✓ click	id=rating	
✓ NeuspjesnaRecenzija-izostavljenNickname*	✓ type	id=email	jasminapilav3@gmail.com
✓ NeuspjesnaRecenzija-izostavljenSummary*	✓ click	css= field:nth-child(3)	
✓ NeuspjesnaRecenzija-izostavljenreview*	✓ click	id=pass	
✓ UspjesnaRecenzijaBezPrijave*	✓ type	id=pass	Snjeguljica22
✓ UspjesnaRecenzijaSFrethodnomPrijavom*	✓ click	id=send2	
	✓ click	css=product-item:nth-child(1).reviews-actions span	
	✓ run script	window.scrollTo(0,935.2000122070312)	
	✓ click	id=Rating_3_label	
	✓ click	id=summary_field	
	✓ type	id=summary_field	Summary
	✓ click	id=review_field	
	✓ type	id=review_field	Review
	✓ click	css= submit	
	✓ assert element present	xpath=//*[contains(text(),'You submitted your review for moderation')]	

Uspješno dodata recenzija bez prijave

Command	Target	Value
✓ open	/	
✓ set window size	1068x820	
✓ click	css= product-item:nth-child(1) .reviews-actions span	
✓ run script	window.scrollTo(0,932.7999877929688)	
✓ click	id=Rating_3_label	
✓ click	id=nickname_field	
✓ type	id=nickname_field	nekoime
✓ click	id=summary_field	
✓ type	id=summary_field	neki komentar
✓ click	id=review_field	
✓ type	id=review_field	nekiduzi review
✓ click	css= submit > span	
✓ assert element present	xpath=//*[contains(text(),'You submitted your review for moderation.')]	

Neuspješno dodata recenzija- izostavljena ocjena

Command	Target	Value
✓ open	/	
✓ set window size	1068x820	
✓ click	css= product-item:nth-child(1) .reviews-actions span	
✓ run script	window.scrollTo(0,932.7999877929688)	
✓ click	id=nickname_field	
✓ type	id=nickname_field	nekoime
✓ click	id=summary_field	
✓ type	id=summary_field	neki komentar
✓ click	id=review_field	
✓ type	id=review_field	nekiduzi review
✓ click	css= submit > span	
✓ assert element present	xpath=//*[contains(text(),'Please select one of each of the ratings above.')]	

Neuspješno dodata recenzija - izostavljen nickname

Command	Target	Value
✓ open	https://magento.softwaretestingboard.com/	
✓ set window size	1066x820	
✓ click	css= product-item:nth-child(1) .reviews-actions span	
✓ run script	window.scrollTo(0,932.7999877929688)	
✓ click	id=Rating_3_label	
✓ click	id=summary_field	
✓ type	id=summary_field	neki summary
✓ click	id=review_field	
✓ type	id=review_field	neki review
✓ click	css= submit > span	
✓ click	id=nickname_field	
✓ click	id=nickname_field	
✓ assert element present	xpath=//*[contains(text(),'This is a required field.')]	

Neuspješna recenzija- izostavljen summary

Search tests...	Run current test Ctrl+R https://testingboard.com/		
	Command	Target	Value
✓ NeuspjesnaRecenzija-izostavljenNickname*	1 ✓ open	https://magento.softwaretestingboard.com/	
✓ NeuspjesnaRecenzija-izostavljenSummary *	2 ✓ set window size	1066x820	
✓ UspjesnaRecenzijaBezPrijave*	3 ✓ click	css= product-item:nth-child(1) .reviews-actions span	
	4 ✓ run script	window.scrollTo(0,932.7999877929688)	
	5 ✓ click	id=Rating_3_label	
	6 ✓ click	id=nickname_field	
	7 ✓ type	id=nickname_field	neki nick
	8 ✓ click	id=review_field	
	9 ✓ type	id=review_field	neki review
	10 ✓ click	css= submit > span	
	11 ✓ click	id=nickname_field	
	12 ✓ click	id=nickname_field	
	13 ✓ assert element present	xpath=//*[contains(text()),'This is a required field']	

Neuspješno dodata recenzija - izostavljen review

Search tests...	https://magento.softwaretestingboard.com/		
	Command	Target	Value
✓ NeuspjesnaRecenzija-izostavljenNickname*	1 ✓ open	https://magento.softwaretestingboard.com/	
✓ NeuspjesnaRecenzija-izostavljenSummary *	2 ✓ set window size	1066x820	
✓ NeuspjesnaRecenzija-izostavljenreview*	3 ✓ click	css= product-item:nth-child(1) .reviews-actions span	
	4 ✓ run script	window.scrollTo(0,932.7999877929688)	
	5 ✓ click	id=Rating_3_label	
	6 ✓ click	id=nickname_field	
	7 ✓ type	id=nickname_field	neki nick
	8 ✓ click	id=summary_field	
	9 ✓ type	id=summary_field	neki summary
	10 ✓ click	css= submit > span	
	11 ✓ click	id=nickname_field	
	12 ✓ click	id=nickname_field	
	13 ✓ assert element present	xpath=//*[contains(text()),'This is a required field']	

Sara Dautbegović

1. Uspješno filtriranje po cijeni

Search tests...	https://magento.softwaretestingboard.com	
	Command	Target
✓ Filtriranje po cijeni (BVA)	1 ✓ open	/
✓ Filtriranje po dvije opcije -	2 ✓ set window size	967x816
✓ Filtriranje po jednoj opciji -	3 ✓ click	css=#ui-id-4 > span:nth-child(2)
✓ Kombinovano filtriranje i s	4 ✓ click	linkText=Jackets
✓ Sortiranje po cijeni (BVA)	5 ✓ click	css= filter-options-item:nth-child(11) > .filter-options-title
✓ Sortiranje po imenu proizv	6 ✓ click	css=.item:nth-child(4) .price:nth-child(2)

2. Uspješno filtriranje po dvije opcije

	Command	Target
✓ Filtriranje po cijeni (BVA)		
✓ Filtriranje po dvije opcije - boja i materijal	1 ✓ open	/
✓ Filtriranje po jednoj opciji - veličina (ekvivalent)	2 ✓ set window size	967x816
✓ Kombinovano filtriranje i sortiranje po cijeni	3 ✓ click	css="#ui-id-4 > span:nth-child(2)
✓ Sortiranje po cijeni (BVA)	4 ✓ click	linkText=Shorts
✓ Sortiranje po imenu proizvoda (ekvivalent)	5 ✓ click	css=.filter-options-item:nth-child(4) > .filter-options-title
	6 ✓ click	css= swatch-option-link-layered:nth-child(1) > .color
	7 ✓ click	css=.filter-options-item:nth-child(6) > .filter-options-title
	8 ✓ click	css= active .item:nth-child(4) > a

3. Uspješno filtriranje po jednoj opciji

	Command	Target
✓ Filtriranje po cijeni (BVA)		
✓ Filtriranje po dvije opcije - boja i materijal	1 ✓ open	/
✓ Filtriranje po jednoj opciji - veličina (ekvivalent)	2 ✓ set window size	969x816
✓ Kombinovano filtriranje i sortiranje po cijeni	3 ✓ click	css="#ui-id-4 > span:nth-child(2)
✓ Sortiranje po cijeni (BVA)	4 ✓ click	linkText=Hoodies & Sweatshirts
✓ Sortiranje po imenu proizvoda (ekvivalent)	5 ✓ click	css=.filter-options-item:nth-child(2) > .filter-options-title
	6 ✓ click	css= swatch-option-link-layered:nth-child(3) > .text

4. Uspješno kombinovano filtriranje i sortiranje

	Command	Target	Value
✓ Filtriranje po cijeni (BVA)			
✓ Filtriranje po dvije opcije - boja i materijal	1 ✓ open	/	
✓ Filtriranje po jednoj opciji - veličina (ekvivalent)	2 ✓ set window size	967x816	
✓ Kombinovano filtriranje i sortiranje	3 ✓ click	css="#ui-id-5 > span:nth-child(2)	
✓ Sortiranje po cijeni (BVA)	4 ✓ click	linkText=Jackets	
✓ Sortiranje po imenu proizvoda (ekvivalent)	5 ✓ click	css=.filter-options-item:nth-child(4) > .filter-options-title	
	6 ✓ click	css= swatch-option-link-layered:nth-child(2) > .color	
	7 ✓ click	id=sorter	
	8 ✓ select	id=sorter	label=Price

5. Uspješno sortiranje po cijeni

	Command	Target	Value
✓ Filtriranje po cijeni (BVA)			
✓ Filtriranje po dvije opcije - boja i materijal	1 ✓ open	/	
✓ Filtriranje po jednoj opciji - veličina (ekvivalent)	2 ✓ set window size	967x816	
✓ Kombinovano filtriranje i sortiranje	3 ✓ click	css=product-items	
✓ Sortiranje po cijeni (BVA)*	4 ✓ click	css="#ui-id-5 > span:nth-child(2)	
✓ Sortiranje po imenu proizvoda (ekvivalent)	5 ✓ click	linkText=Pants	
	6 ✓ click	id=sorter	
	7 ✓ click	css= page-title-wrapper	
	8 ✓ click	id=sorter	
	9 ✓ select	id=sorter	label=Price

6. Uspješno sortiranje po imenu proizvoda

Test Case Step	Command	Target	Value
✓ Filtriranje po cijeni (BVA)	1 ✓ open	/	
✓ Filtriranje po dvije opcije - boja i m	2 ✓ set window size	967x816	
✓ Filtriranje po jednoj opciji - veličina	3 ✓ click	css="#ui-id-4 > span:nth-child(2)	
✓ Kombinovano filtriranje i sortiranje	4 ✓ click	linkText=Bras & Tanks	
✓ Sortiranje po cijeni (BVA)*	5 ✓ click	id=sorter	
✓ Sortiranje po imenu proizvoda (ekv)	6 ✓ select	id=sorter	label=Product Name

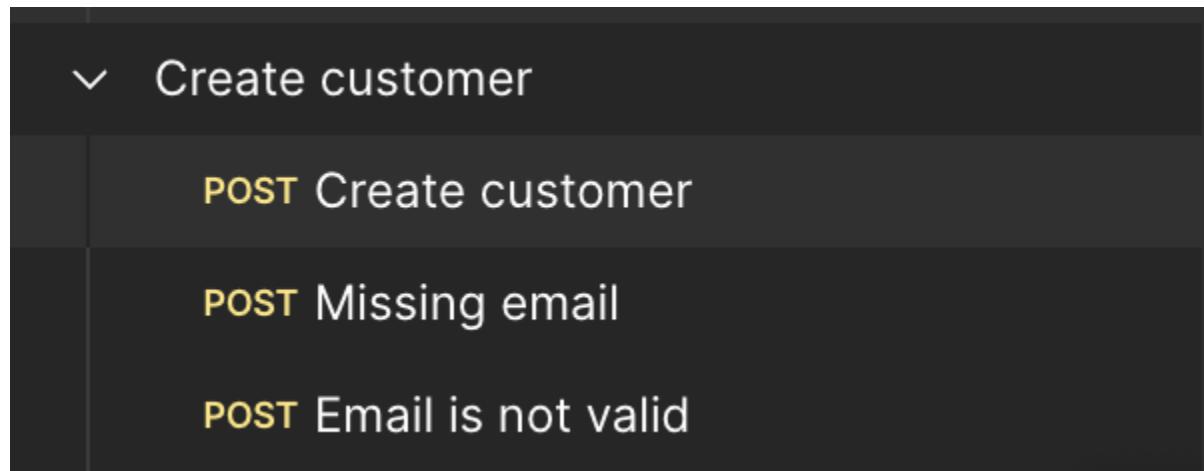
Zadatak 3 - API testiranje

Mina Duranović

Odabrana ruta za testiranje je:

POST <https://magento.softwaretestingboard.com/rest/default/V1/customers>

Testirana su 3 zahtjeva, od kojih je jedan za uspješno kreiranje korisnika, drugi za kreiranje korisnika sa nedostajućim emailom i treći za kreiranje korisnika sa nevalidnim formatom emaila.



1)

POST https://magento.softwaretestingboard.com/rest/default/V1/customers

Params Authorization Headers (10) Body Scripts Settings Cookies

Body (raw JSON)

```
1 {
2     "customer": {
3         "email": "mariajones3@example.com",
4         "firstname": "Maria",
5         "lastname": "Jones",
6         "addresses": [
7             {
8                 "defaultShipping": true,
9                 "defaultBilling": true,
10                "firstname": "Maria",
11                "lastname": "Jones",
12                "region": {
13                    "regionCode": "CA",
14                    "region": "California",
15                    "regionId": 12
16                },
17                "postcode": "900001",
18                "street": ["789 Pine St"],
19                "city": "Los Angeles",
20                "telephone": "213-555-9876",
21                "countryId": "US"
22            }
23        ],
24        "password": "SecurePassword123"
25    }
}
```

POST https://magento.softwaretestingboard.com/rest/default/V1/customers

Params Authorization Headers (10) Body Scripts Settings

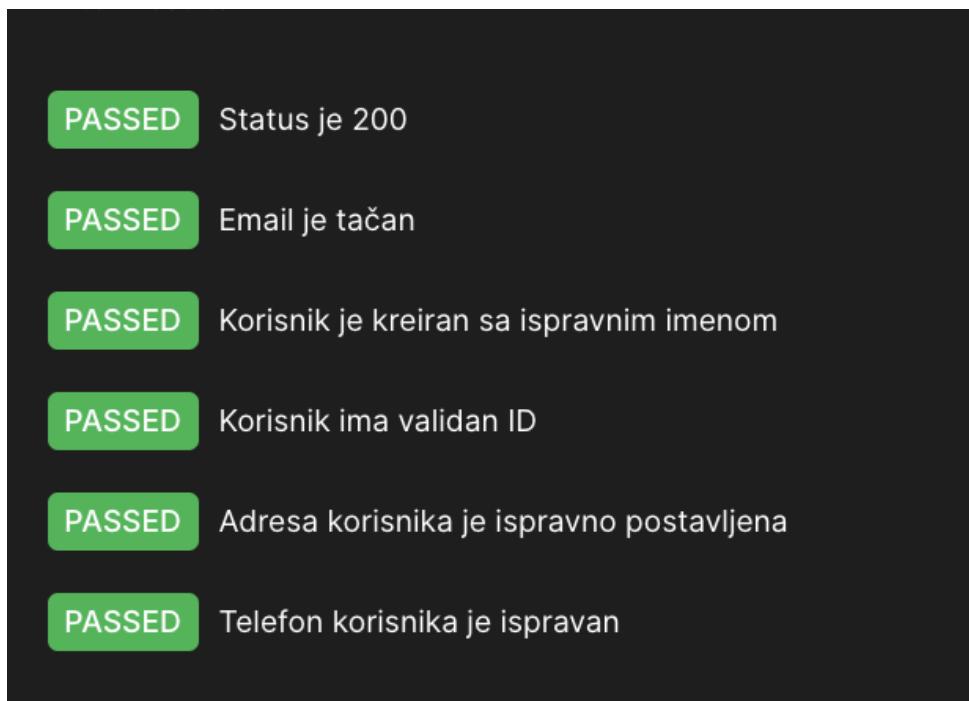
Pre-request Post-response

```
1 pm.test("Status je 200", function () {
2     pm.response.to.have.status(200);
3 });
4
5 pm.test("Email je tačan", function () {
6     var responseJson = pm.response.json();
7     pm.expect(responseJson.email).to.eql('mariajones3@example.com');
8 });
9
10 pm.test("Korisnik je kreiran sa ispravnim imenom", function () {
11     var responseJson = pm.response.json();
12     pm.expect(responseJson.firstname).to.eql('Maria');
13     pm.expect(responseJson.lastname).to.eql('Jones');
14 });
15
16 pm.test("Korisnik ima validan ID", function () {
17     var responseJson = pm.response.json();
18     pm.expect(responseJson).to.have.property('id');
19 });
20
21 pm.test("Adresa korisnika je ispravno postavljena", function () {
22     var responseJson = pm.response.json();
23
24     pm.expect(responseJson.addresses[0].street[0]).to.eql('789 Pine St');
25     pm.expect(responseJson.addresses[0].city).to.eql('Los Angeles');
26     pm.expect(responseJson.addresses[0].country_id).to.eql('US');
27     pm.expect(responseJson.addresses[0].telephone).to.eql('213-555-9876');
28 });
29
30
31 pm.test("Telefon korisnika je ispravan", function () {
32     var responseJson = pm.response.json();
33     pm.expect(responseJson.addresses[0].telephone).to.eql('213-555-9876');
34 });
35
```

Body Cookies (1) Headers (22) Test Results (6/6) ⏱

{ JSON ▾ ▶ Preview Visualize | ▾

```
1 {
2     "id": 83718,
3     "group_id": 1,
4     "default_billing": "11908",
5     "default_shipping": "11908",
6     "created_at": "2025-01-16 21:03:56",
7     "updated_at": "2025-01-16 21:03:56",
8     "created_in": "Default Store View",
9     "email": "mariajones3@example.com",
10    "firstname": "Maria",
11    "lastname": "Jones",
12    "store_id": 1,
13    "website_id": 1,
14    "addresses": [
15        {
16            "id": 11908,
17            "customer_id": 83718,
18            "region": {
19                "region_code": "CA",
20                "region": "California",
21                "region_id": 12
22            },
23            "region_id": 12,
24            "country_id": "US",
25            "street": [
26                "789 Pine St"
27            ],
28            "telephone": "213-555-9876",
29            "postcode": "90001",
30            "city": "Los Angeles",
31            "firstname": "Maria",
32            "lastname": "Jones",
33            "default_shipping": true,
34            "default_billing": true
35        }
36    ],
37    "disable_auto_group_change": 0,
38    "extension_attributes": {
39        "is_subscribed": false
40    }
41 }
```



2)

POST https://magento.softwaretestingboard.com/rest/default/V1/customers

Params Authorization Headers (9) Body Scripts Settings

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

```
1 {  
2   "customer": {  
3     "firstname": "Alex",  
4     "lastname": "Smith",  
5     "addresses": [  
6       {"defaultShipping": true,  
7        "defaultBilling": true,  
8        "firstname": "Alex",  
9        "lastname": "Smith",  
10       "region": {  
11         "regionCode": "CA",  
12         "region": "California",  
13         "regionId": 12  
14       },  
15       "postcode": "90001",  
16       "street": ["456 Maple St"],  
17       "city": "Los Angeles",  
18       "telephone": "323-555-1234",  
19       "countryId": "US"  
20     }]  
21   },  
22   "password": "StrongPass1"  
23 }
```

POST https://magento.softwaretestingboard.com/rest/default/V1/customers

Params Authorization Headers (9) Body Scripts Settings

Pre-request Post-response

```
1 pm.test("Status je 400 (Bad Request)", function () {  
2   pm.response.to.have.status(400);  
3 });  
4  
5 pm.test("Poruka greške sadrži 'email'", function () {  
6   var responseJson = pm.response.json();  
7   pm.expect(responseJson.message).to.include('email is missing');  
8 });  
9  
10 pm.test("Korisnik nije kreiran", function () {  
11   var responseJson = pm.response.json();  
12   pm.expect(responseJson).to.not.have.property('id');  
13 });  
14
```

PASSED Status je 400 (Bad Request)

PASSED Poruka greške sadrži 'email'

PASSED Korisnik nije kreiran

pm.test("Korisnik nije kreiran", function () {
 pm.response.to.not.have.property('id');

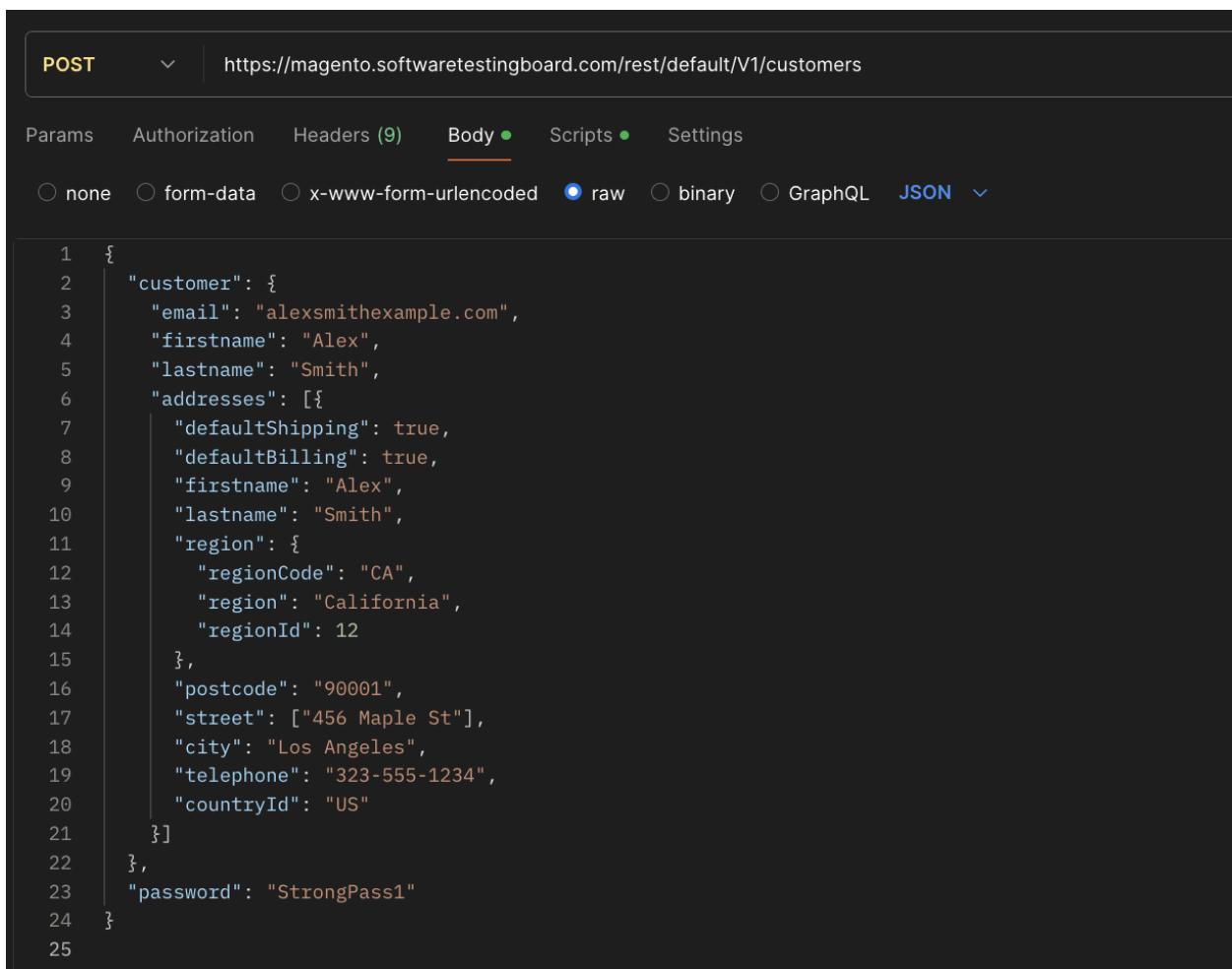
Body Cookies (1) Headers (20) Test Results (3/3) ⚙️

400 Bad Request 591 ms 1.35 KB Save Response

{ } JSON Preview Visualize

```
1 {  
2   "message": "The customer email is missing. Enter and try again."  
3 }
```

3)



POST <https://magento.softwaretestingboard.com/rest/default/V1/customers>

Params Authorization Headers (9) **Body** Scripts Settings

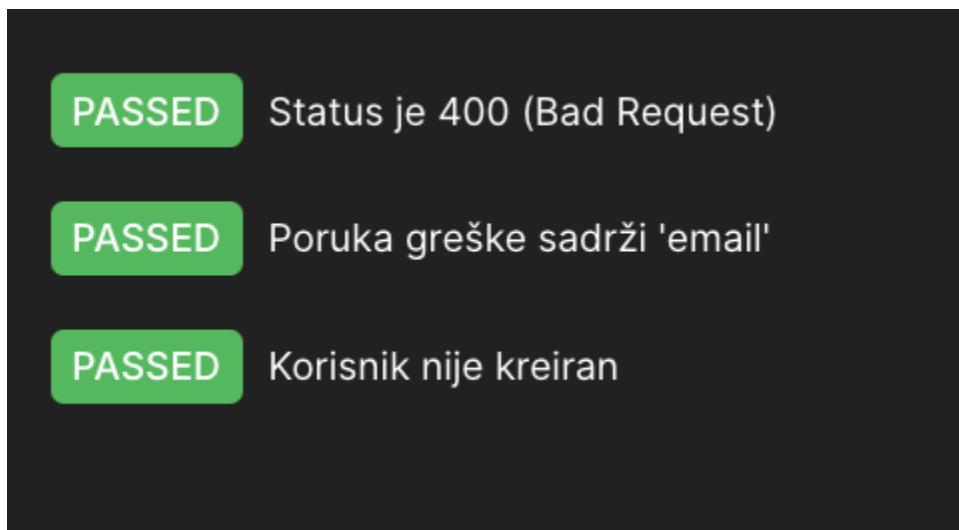
none form-data x-www-form-urlencoded raw binary GraphQL **JSON**

```
1 {
2     "customer": {
3         "email": "alexsmith@example.com",
4         "firstname": "Alex",
5         "lastname": "Smith",
6         "addresses": [
7             {
8                 "defaultShipping": true,
9                 "defaultBilling": true,
10                "firstname": "Alex",
11                "lastname": "Smith",
12                "region": {
13                    "regionCode": "CA",
14                    "region": "California",
15                    "regionId": 12
16                },
17                "postcode": "90001",
18                "street": ["456 Maple St"],
19                "city": "Los Angeles",
20                "telephone": "323-555-1234",
21                "countryId": "US"
22            }
23        },
24        "password": "StrongPass1"
25    }
}
```

The screenshot shows a Postman collection interface. At the top, a POST request is selected with the URL <https://magento.softwaretestingboard.com/rest/default/V1/customers>. Below the URL, tabs for Params, Authorization, Headers (9), Body, Scripts (underlined), and Settings are visible. The Scripts tab contains the following code:

```
1 pm.test("Status je 400 (Bad Request)", function () {  
2 | pm.response.to.have.status(400);  
3});  
4  
5 pm.test("Poruka greške sadrži 'email'", function () {  
6 | var responseJson = pm.response.json();  
7 | pm.expect(responseJson.message).to.include('is not a valid email address');  
8});  
9  
10 pm.test("Korisnik nije kreiran", function () {  
11 | var responseJson = pm.response.json();  
12 | pm.expect(responseJson).to.not.have.property('id');  
13});  
14
```

Below the code, there are tabs for Body, Cookies (1), Headers (20), Test Results (3/3), and a preview icon. The preview shows a JSON response with the message: "message": "\"Email\" is not a valid email address.". The status bar at the bottom indicates a 400 Bad Request, 978 ms, 1.33 KB, and a save icon.



Jasmina Pilav

Odabrana 1. ruta za testiranje je:

GET <https://magento.softwaretestingboard.com/rest/default/V1/customers/me>

Kreirana su tri zahtjeva za provjeru podataka o korisniku sa API-ja. Prvi API test provjerava osnovne informacije korisnika kao što su email, ime i prezime, dok drugi validira ispravnost adresa korisnika, a treći test provjerava ID-jeve grupe, prodavnice i web stranice korisnika.

GET https://magento.softwaretestingboard.com/rest/default/V1/customers/me

Params Authorization Headers (9) Body Scripts Settings Cookies

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

This request does not have a body

Body Cookies (1) Headers (22) Test Results (7/7) ⏱ 200 OK 842 ms 1.67 KB ⏮ Save Response ⋮

{ } JSON ▾ Preview Visualize

```

1 {
2   "id": 83732,
3   "group_id": 1,
4   "default_billing": "11910",
5   "default_shipping": "11910",
6   "created_at": "2025-01-16 21:56:03",
7   "updated_at": "2025-01-16 21:56:03",
8   "created_in": "Default Store View",
9   "email": "jpilav1@etf.unsa.ba",
10  "firstname": "Jasmina",
11  "lastname": "Pilav",
12  "store_id": 1,
13  "website_id": 1,
14  "addresses": [
15    {
16      "id": 11910,
17      "customer_id": 83732,
18      "region": {
19        "region_code": "NY",
20        "region": "New York",
21        "region_id": 43
22      },
23      "region_id": 43,

```

1)

HTTP GetUserApiTestiranje / OsnovniPodaciTests

Save

GET https://magento.softwaretestingboard.com/rest/default/V1/customers/me

Params Authorization Headers (9) Body Scripts Settings

Pre-request Post-response *

```

1 pm.test("Statusni kod je 200", function () {
2   | pm.response.to.have.status(200);
3 });
4
5 pm.test("Odgovor sadrži 'id'", function () {
6   | pm.response.to.have.jsonBody("id");
7 });
8
9 pm.test("Odgovor sadrži 'email'", function () {
10  | pm.response.to.have.jsonBody("email");
11 });
12
13 pm.test("Odgovor sadrži 'firstname'", function () {
14  | pm.response.to.have.jsonBody("firstname");
15 });
16
17 pm.test("Odgovor sadrži 'lastname'", function () {
18  | pm.response.to.have.jsonBody("lastname");
19 });
20
21 pm.test("Email je tačan", function () {
22  | var jsonResponse = pm.response.json();
23  | pm.expect(jsonResponse.email).to.eql("jpilav1@etf.unsa.ba");
24 });
25
26 pm.test("Ime je tačno", function () {
27  | var jsonResponse = pm.response.json();
28  | pm.expect(jsonResponse.firstname).to.eql("Jasmina");
29 });
30

```

Body Cookies (1) Headers (22) Test Results (8/8) ⚡

Filter Results ▾

PASSED	Statusni kod je 200
PASSED	Odgovor sadrži 'id'
PASSED	Odgovor sadrži 'email'
PASSED	Odgovor sadrži 'firstname'
PASSED	Odgovor sadrži 'lastname'
PASSED	Email je tačan
PASSED	Ime je tačno
PASSED	Prezime je tačno

2)

HTTP GetUserApiTestiranje / PodaciOAdresiTests

Save Share

GET https://magento.softwaretestingboard.com/rest/default/V1/customers/me

Send

Params Authorization Headers (9) Body Scripts Settings Cookies

Pre-request Post-response

```

4 pm.test("Odgovor sadrži 'addresses'", function () {
5     pm.response.to.have.jsonBody("addresses");
6 });
7
8
9 pm.test("Grad adrese je tačan", function () {
10    var jsonResponse = pm.response.json();
11    pm.expect(jsonResponse.addresses[0].city).to.eql("Purchase");
12 });
13
14 pm.test("Ulica adrese je tačna", function () {
15    var jsonResponse = pm.response.json();
16    pm.expect(jsonResponse.addresses[0].street[0]).to.eql("123 Oak Ave");
17 });
18
19 pm.test("Zemlja adrese je 'US'", function () {
20    var jsonResponse = pm.response.json();
21    // Provjeriti da li polje addresses postoji prije nego što pristupimo country_id
22    if (jsonResponse.addresses && jsonResponse.addresses[0].country_id) {
23        pm.expect(jsonResponse.addresses[0].country_id).to.eql("US");
24    } else {
25        pm.expect.fail("Nema adrese ili zemlje");
26    }
27 });
28
29 pm.test("Poštanski broj adrese je tačan", function () {
30    var jsonResponse = pm.response.json();
31    pm.expect(jsonResponse.addresses[0].postcode).to.eql("10755");
32 });

```

Body Cookies (1) Headers (22) Test Results (6/6) ⏱

200 OK • 906 ms • 1.66 KB • 📈

Filter Results ▾

PASSED Statusni kod je 200

PASSED Odgovor sadrži 'addresses'

PASSED Grad adrese je tačan

PASSED Ulica adrese je tačna

PASSED Zemlja adrese je 'US'

PASSED Poštanski broj adrese je tačan

3)

HTTP GetUserApiTestiranje / OstaliPodaciTests

Save Share

Send

GET https://magento.softwaretestingboard.com/rest/default/V1/customers/me

Params Authorization Headers (9) Body Scripts ● Settings Cookies

Pre-request Post-response

```

1 pm.test("Statusni kod je 200", function () {
2     pm.response.to.have.status(200);
3 });
4
5 pm.test("Odgovor sadrži 'group_id'", function () {
6     pm.response.to.have.jsonBody("group_id");
7 });
8
9 pm.test("Odgovor sadrži 'store_id'", function () {
10    pm.response.to.have.jsonBody("store_id");
11 });
12
13 pm.test("Odgovor sadrži 'website_id'", function () {
14     pm.response.to.have.jsonBody("website_id");
15 });
16
17 pm.test("Group ID je 1", function () {
18     var jsonResponse = pm.response.json();
19     pm.expect(jsonResponse.group_id).to.eql(1);
20 });
21
22 pm.test("Store ID je 1", function () {
23     var jsonResponse = pm.response.json();
24     pm.expect(jsonResponse.store_id).to.eql(1);
25 });
26
27 pm.test("Website ID je 1", function () {
28     var jsonResponse = pm.response.json();
29     pm.expect(jsonResponse.website_id).to.eql(1);
30 });

```

Body Cookies (1) Headers (22) Test Results (7/7) ⏱

200 OK • 842 ms • 1.67 KB • 📈 Save Response ⚙️

Body Cookies (1) Headers (22) Test Results (7/7) ⏱

200 OK 842 ms 1.67 KB ⏵ Save Response ⏺

Filter Results ▾

PASSED Statusni kod je 200

PASSED Odgovor sadrži 'group_id'

PASSED Odgovor sadrži 'store_id'

PASSED Odgovor sadrži 'website_id'

PASSED Group ID je 1

PASSED Store ID je 1

PASSED Website ID je 1

Sara Dautbegović

Odabrana ruta:

PUT <https://magento.softwaretestingboard.com/rest/default/V1/customers/me>

Kreirana su 3 zahtjeva, od kojih je jedan za uspješno ažuriranje korisnika, drugi za ažuriranje korisnika koji nije autorizovan, dok je treći za ažuriranje korisnika sa nedostajućim podacima

✓ Update customer

PUT Update customer

PUT Unauthorized

PUT Missing field

...

1)

The screenshot shows a REST API testing interface. At the top, there is a header bar with 'PUT' selected as the method, a dropdown arrow, the URL 'https://magento.softwaretestingboard.com/rest/default/V1/customers/me', a 'Send' button, and a dropdown arrow. Below the header, there are tabs for 'Params', 'Authorization', 'Headers (10)', 'Body', 'Scripts', and 'Settings'. The 'Body' tab is currently active, indicated by an orange underline. Under the 'Body' tab, there are several options: 'none', 'form-data', 'x-www-form-urlencoded', 'raw' (which is selected), 'binary', 'GraphQL', and 'JSON'. To the right of these options is a 'Beautify' link. The main body area contains a code editor with JSON code. The code is numbered from 1 to 8. The JSON object has a single key 'customer' with three nested properties: 'firstname', 'lastname', and 'email'. The 'firstname' value is 'Jon', 'lastname' is 'Doe Updated', and 'email' is 'jondoe_updated@example.com'. The code editor has a dark background with light-colored text.

```
1 {  
2   "customer": {  
3     "firstname": "Jon",  
4     "lastname": "Doe Updated",  
5     "email": "jondoe_updated@example.com"  
6   }  
7 }  
8 }
```

PUT <https://magento.softwaretestingboard.com/rest/default/V1/customers/me> Send

Params Authorization Headers (10) Body Scripts **Scripts** Cookies

Pre-request

```
1 pm.test("Status je 200 (OK)", function () {  
2 | pm.response.to.have.status(200);  
3 });  
4  
5 pm.test("Ime korisnika je ažurirano", function () {  
6 | var responseJson = pm.response.json();  
7 | pm.expect(responseJson.firstname).to.eql('Jon');  
8 });  
9  
10 pm.test("Prezime korisnika je ažurirano", function () {  
11 | var responseJson = pm.response.json();  
12 | pm.expect(responseJson.lastname).to.eql('Doe Updated');  
13 });  
14  
15 pm.test("Email korisnika je ažuriran", function () {  
16 | var responseJson = pm.response.json();  
17 | pm.expect(responseJson.email).to.eql('jondoe_updated@example.com');  
18 });  
19
```

Body Cookies (1) Headers (22) Test Results (4/4) 200 OK • 545 ms • 1.69 KB Save Response

{ } JSON

```
1 {  
2   "id": 220,  
3   "group_id": 1,  
4   "default_billing": "24",  
5   "default_shipping": "24",  
6   "created_at": "2024-04-25 16:23:30",  
7   "updated_at": "2025-01-16 23:58:50",  
8   "created_in": "Default Store View",  
9   "email": "jondoe_updated@example.com",  
10  "firstname": "Jon",  
11  "lastname": "Doe Updated",  
12  "store_id": 1,  
13  "website_id": 1,  
14  "addresses": [  
15    {  
16      "id": 24,  
17      "customer_id": 220,  
18      "region": {  
19        "region_code": "NY",  
20        "region": "New York",  
21        "region_id": 43  
22      },  
23    },  
24  ]  
25}
```

PASSED Status je 200 (OK)

PASSED Ime korisnika je ažurirano

PASSED Prezime korisnika je ažurirano

PASSED Email korisnika je ažuriran

2)

PUT https://magento.softwaretestingboard.com/rest/default/V1/customers/me

Body (9) Scripts (1)

Params Authorization Headers (9) Body Scripts Settings Cookies

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

```
1 {
2     "customer": {
3         "firstname": "Invalid",
4         "lastname": "User",
5         "email": "invalid.user@example.com"
6     }
7 }
8 
```

PUT https://magento.softwaretestingboard.com/rest/default/V1/customers/me

Params Authorization Headers (9) Body Scripts (1) Settings Cookies

Pre-request Post-response *

```
1 pm.test("Status je 401 (Unauthorized)", function () {
2     pm.response.to.have.status(401);
3 });
4
5 pm.test("Poruka o grešci je ispravna", function () {
6     var responseJson = pm.response.json();
7     pm.expect(responseJson.message).to.include("isn't authorized");
8 });
9
10 pm.test("Odgovor ne sadrži korisničke podatke", function () {
11     var responseJson = pm.response.json();
12     pm.expect(responseJson).to.not.have.property('firstname');
13     pm.expect(responseJson).to.not.have.property('lastname');
14 });
15
16 pm.test("Odgovor sadrži tačan kod greške", function () {
17     pm.expect(pm.response.code).to.eql(401);
18 });
```

POST RESPONSE

Body (1) Cookies (20) Headers (20) Test Results (4/4) 401 Unauthorized 460 ms 1.38 KB

{ } JSON ▾ Preview ⚡ Visualize ▾

```
1 {
2     "message": "The consumer isn't authorized to access %resources.",
3     "parameters": {
4         "resources": "self"
5     }
6 }
```

```

PASSED Status je 401 (Unauthorized)
PASSED Poruka o grešci je ispravna
PASSED Odgovor ne sadrži korisničke podatke
PASSED Odgovor sadrži tačan kod greške

```

3)

PUT https://magento.softwaretestingboard.com/rest/default/V1/customers/me

Params Authorization Headers (10) Body Scripts Settings Cookies

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

Beautify

```

1  {
2   "customer": {
3     "lastname": "Doe"
4   }
5 }
```

PUT https://magento.softwaretestingboard.com/rest/default/V1/customers/me

Params Authorization Headers (10) Body Scripts Settings Cookies

Pre-request Post-response

```

1 pm.test("Status je 400 (Bad Request)", function () {
2   pm.response.to.have.status(400);
3 });
4
5 pm.test("Poruka o grešci ukazuje na nedostajuće polje", function () {
6   var responseJson = pm.response.json();
7   pm.expect(responseJson.message).to.include("missing");
8 });
9
10 pm.test("Prezime nije ažurirano bez imena", function () {
11   var responseJson = pm.response.json();
12   pm.expect(responseJson.lastname).to.not.eql('Doe');
13 });
14
15 pm.test("Odgovor sadrži kod greške", function () {
16   pm.expect(pm.response.code).to.eql(400);
17 });
18
```

Body Cookies (1) Headers (20) Test Results (4/4) 400 Bad Request 433 ms 1.35 KB Save Response

{ } JSON Preview Visualize

```

1 {
2   "message": "The customer email is missing. Enter and try again."
3 }
```

The screenshot shows the Postman interface with the 'Test Results' tab selected. It displays 4/4 test cases, all of which have passed. The results are as follows:

- PASSED Status je 400 (Bad Request)
- PASSED Poruka o grešci ukazuje na nedostajuće polje
- PASSED Prezime nije ažurirano bez imena
- PASSED Odgovor sadrži kod greške

The top bar indicates the status is 400 Bad Request, with a response time of 433 ms and a size of 1.35 KB.

Irma Galijašević

Poslana su tri zahtjeva preko Postman platforme. Prvi je provjera adrese postavljene za dostavu korisnika. Druga putanja mijenja password korisnika. Treća putanja je validacija sadržaja html stranice.

1)

The screenshot shows a POST request configuration in Postman. The method is set to 'POST' and the URL is <https://magento.softwaretestingboard.com/rest/default/V1/customers/me/shippingAddress>.

The request body contains the following JSON payload:

```
{
    "street": "Street 1",
    "street2": "Street 2",
    "city": "City",
    "state": "State",
    "zip": "12345"
}
```

The 'Tests' section of the request configuration includes the following code:

```
pm.test("Status code is 200", function () {
    pm.response.to.have.status(200);
});

// 2. Verify the response time is acceptable
pm.test("Response time is less than 1000ms", function () {
    pm.expect(pm.response.responseTime).to.be.below(1000);
});

// 3. Confirm the content type is JSON
pm.test("Content-Type is application/json (with optional charset)", function () {
    pm.expect(pm.response.headers.get("Content-Type")).to.match(/application\/json(;.*|)?/);
});
```

```
// 4. Validate presence of all top-level fields and their types
pm.test("Response has required fields with correct types", function () {
    const jsonData = pm.response.json();
    pm.expect(jsonData).to.have.property("id").that.is.a("number");
    pm.expect(jsonData).to.have.property("customer_id").that.is.a("number");
    pm.expect(jsonData).to.have.property("region").that.is.an("object");
    pm.expect(jsonData).to.have.property("region_id").that.is.a("number");
    pm.expect(jsonData).to.have.property("country_id").that.is.a("string");
    pm.expect(jsonData).to.have.property("street").that.is.an("array");
    pm.expect(jsonData).to.have.property("telephone").that.is.a("string");
    pm.expect(jsonData).to.have.property("postcode").that.is.a("string");
    pm.expect(jsonData).to.have.property("city").that.is.a("string");
    pm.expect(jsonData).to.have.property("firstname").that.is.a("string");
    pm.expect(jsonData).to.have.property("lastname").that.is.a("string");
    pm.expect(jsonData).to.have.property("default_shipping").that.is.a("boolean");
    pm.expect(jsonData).to.have.property("default_billing").that.is.a("boolean");
});
```

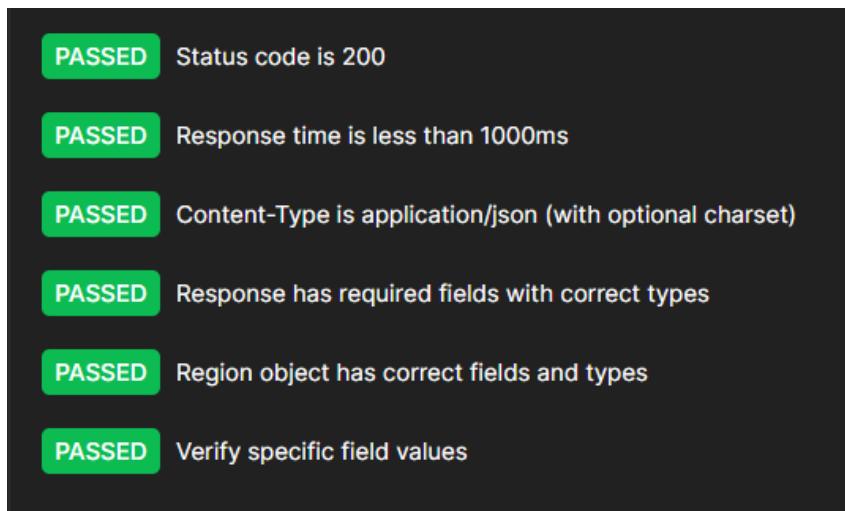
```
// 5. Check nested object properties in 'region'
pm.test("Region object has correct fields and types", function () {
    const region = pm.response.json().region;
    pm.expect(region).to.have.property("region_code").that.is.a("string");
    pm.expect(region).to.have.property("region").that.is.a("string");
    pm.expect(region).to.have.property("region_id").that.is.a("number");
});

// 6. Validate specific values for fields
pm.test("Verify specific field values", function () {
    const jsonData = pm.response.json();
    pm.expect(jsonData.region.region_code).to.eql("NY");
    pm.expect(jsonData.region.region).to.eql("New York");
    pm.expect(jsonData.country_id).to.eql("US");
    pm.expect(jsonData.street[0]).to.eql("123 Oak Ave");
    pm.expect(jsonData.city).to.eql("Purchase");
    pm.expect(jsonData.firstname).to.eql("Jane");
    pm.expect(jsonData.lastname).to.eql("Doe");
    pm.expect(jsonData.default_shipping).to.be.true;
    pm.expect(jsonData.default_billing).to.be.true;
});
```

Body Cookies (1) Headers (22) Test Results (6/6) | ⏱

{ } JSON ▾ Preview ⚡ Visualize | ▾

```
1   {
2     "id": 11935,
3     "customer_id": 83861,
4     "region": {
5       "region_code": "NY",
6       "region": "New York",
7       "region_id": 43
8     },
9     "region_id": 43,
10    "country_id": "US",
11    "street": [
12      "123 Oak Ave"
13    ],
14    "telephone": "512-555-1111",
15    "postcode": "10755",
16    "city": "Purchase",
17    "firstname": "Jane",
18    "lastname": "Doe",
19    "default_shipping": true,
20    "default_billing": true
21 }
```



2)

PUT https://magento.softwaretestingboard.com/rest/default/V1/customers/me/password

Params Authorization Headers (12) Body Scripts Settings

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

```
1 {  
2   "currentPassword": "Password1",  
3   "newPassword": "password.123"  
4 }
```

Body Cookies (1) Headers (22) Test Results (2/2) ⏱ 200 OK • 986 ms • 1.34

{ } JSON ▾ Preview ⏷ Visualize ▾

```
1 true
```

PUT https://magento.softwaretestingboard.com/rest/default/V1/customers/me/password

Params Authorization Headers (12) Body Scripts Settings

Pre-request Post-response

```
1 pm.test("Status code is 200", function () {  
2   pm.response.to.have.status(200);  
3 };  
4  
5 pm.test("Response is true", function () {  
6   pm.expect(pm.response.json()).to.eql(true);  
7 });
```

Body Cookies (1) Headers (22) Test Results (2/2) ⏱

ⓘ Testing your API endpoints one by one? Run your entire collection and test end-to-end workflows effortlessly.

Filter Results ▾

PASSED Status code is 200

PASSED Response is true

3)

HTTP vvs / site.html

GET https://magento.softwaretestingboard.com/men/tops-men/hoodies-and-sweatshirts-men.html

Params Authorization Headers (9) Body Scripts • Settings

Pre-request Post-response

```
1 // Extract the HTML content from the response body
2 const html = pm.response.text();
3
4 // Regular expression to extract product names and prices
5 const productRegex = /<a class="product-item-link".*?>(.*)<\/a>.*<span class="price">(.*)<\/span>/gs;
6 let products = [];
7 let match;
8
9 // Extract product name and price
10 while ((match = productRegex.exec(html)) !== null) {
11     const productName = match[1].trim();
12     const productPrice = match[2].trim();
13
14     // Ensure both product name and price are valid
15     if (productName && productPrice) {
16         products.push({ name: productName, price: productPrice });
17     } else {
18         console.log('Invalid product data found. Product Name:', productName, 'Price:', productPrice);
19     }
20 }
21
22 // Test to ensure that there is at least one product
23 assert(products.length > 0);
```

```
42
43 pm.test("Product 'Abominable Hoodie' or 'Grayson Crewneck Sweatshirt' should be found",
44   function() {
45     const productNames = products.map(product => product.name.toLowerCase().trim());
46     const expectedNames = ['abominable hoodie', 'grayson crewneck sweatshirt']; // Update
47       the name here
48
49   pm.expect(productNames).to.include.members(expectedNames);
50 });
51
```

Postbot

Body Cookies (1) Headers (25) Test Results (4/4) ⚡ 200 OK • 916 ms • 23.92 KB • 📈 Save Response

HTML Preview Visualize

```
867 |   |   |   max-width="240"
868 |   |   |   max-height="300"
869 |   |   |   alt="Grayson Crewneck Sweatshirt "/></span>
870 |   |   |   |   </span>
871 |   |   |   |   </a>
872 |   |   |   <div class="product details product-item-details">
873 |   |   |   |   <strong class="product name product-item-name">
874 |   |   |   |   <a class="product-item-link"
875 |   |   |   |   href="https://magento.softwaretestingboard.com/grayson-crewneck-sweatshirt.html">
876 |   |   |   |   Grayson Crewneck Sweatshirt
877 |   |   |   </strong>
878 |   |   |   <div class="price-box price-final_price" data-role="priceBox"
879 |   |   |   |   data-product-id="222" data-price-box="product-id-222"><span class="normal-price">
880 |
881
882 <span class="price-container price-final_price&#x20;tax&#x20;weee"
883 > <span class="price-label">As low as</span>
884 |   |   |   <span class="price-label">As low as</span>
```

Postbot

PASSED Products should be found

PASSED Each product should have a valid name

PASSED Each product should have a valid price

PASSED Product 'Abominable Hoodie' or 'Grayson Crewneck Sweatshirt' should be found

Zadatak 4

Load testiranje aplikacije pomoću alata Loadster

NEXT STEPS

LOAD-RELATED ERRORS

This test had errors that often indicate the site is overloaded.
You might want to run a smaller test, or improve your site's performance and run the test again.

navigation timed out after 30000 ms

Ova poruka nam ukazuje na to da je stranica bila preopterećena i nije uspjela odgovoriti na zahtjev u vremenskom roku od 30s.

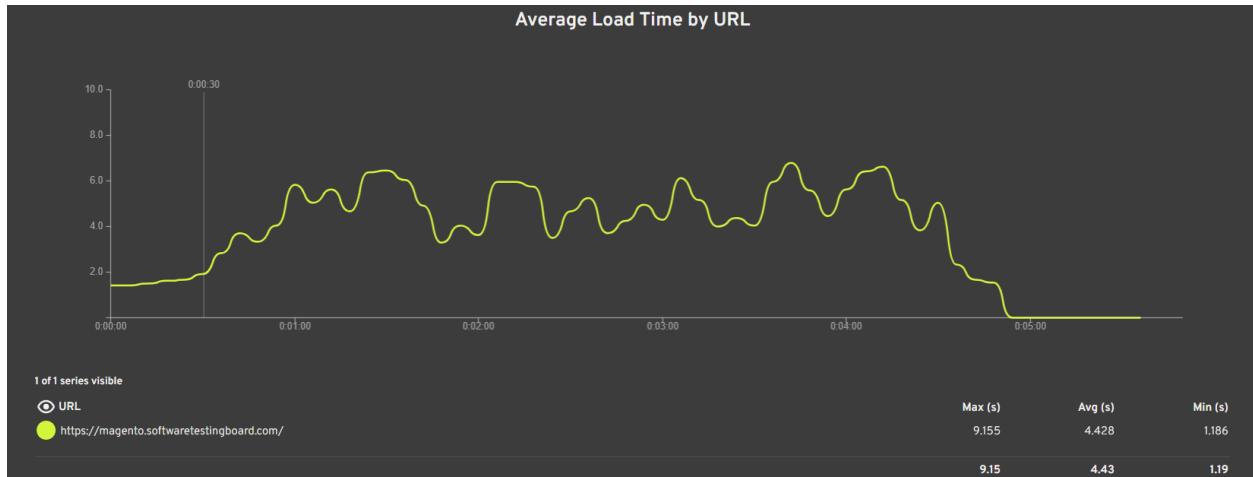
DURATION 0:05:47	BOTS 25	ITERATIONS 0	HITS 38,420	ERRORS 154
AVG RESPONSE TIME 4.43s	P50 RESPONSE TIME 4.44s	P90 RESPONSE TIME 6.53s	DOWNLOADED 221 MB	UPLOADED 12.6 MB

- Uкупno vrijeme u kojem su virtuelni korisnici (bots), njih 25, simulirali rad na stranici je 5 min i 47s.
- Uкупan broj HTTP zahtjeva koje su virtuelni korisnici poslali serveru tokom testiranja je 38 420.
- Uкупan broj grešaka koje su se dogodile(preopterećenjem servera, loše napisanim kodom ili mrežnim problemima) tokom testa je 154. Ovaj broj

grešaka može ukazivati na to da aplikacija nije pravilno optimizovana za rukovanje većim brojem zahtjeva.

- Iteracije (0) - Nula iteracija ukazuje da scenariji nisu završeni zbog grešaka ili kašnjenja. Ovo sugerira ozbiljne performanse probleme koji sprječavaju kompletan završetak testova.

Response Times grafikon

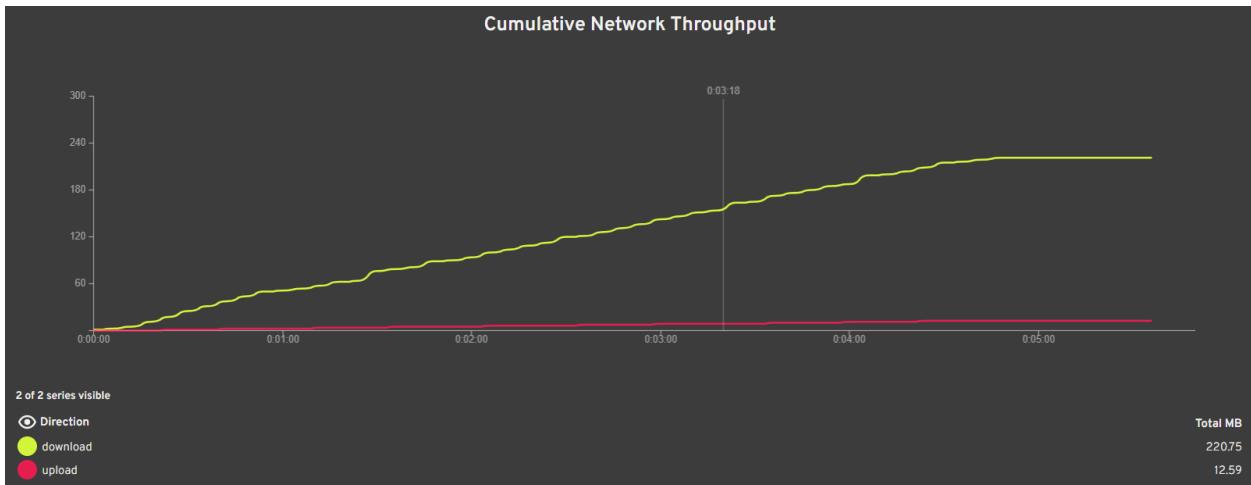


Ovaj grafikon analizira vrijeme odziva (load time) za URL tokom trajanja testa.

Najveće zabilježeno vrijeme odziva iznosi **9.155** sekundi, a najmanje zabilježeno vrijeme odziva iznosi **1.186** sekundi. Prosječno vrijeme je **4.428** sekundi, no to za neke korisnike može značiti spor odziv.

Žuta linija pokazuje varijacije u vremenu odziva. U početku je vrijeme odziva niže, ali kako test napreduje i opterećenje raste, povećava se vrijeme odziva. Test ukazuje na nestabilno vrijeme odziva, jer postoje oscilacije između brzih i sporih odgovora. Pošto je maksimalno vrijeme odziva 9.155s, vidimo da server ima poteškoća sa obradom velikog broja zahtjeva.

Network grafikon

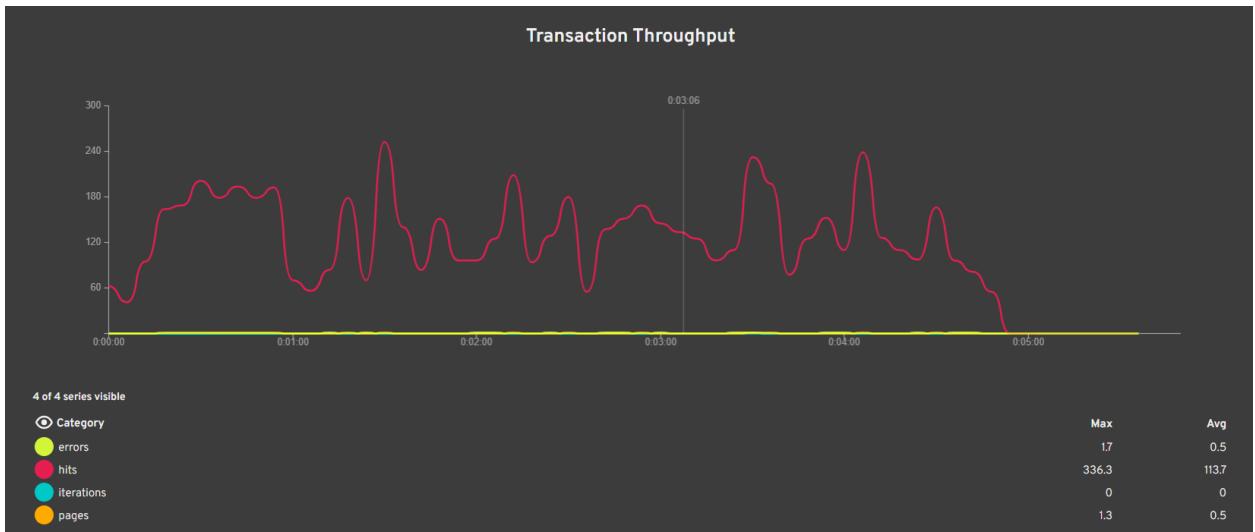


Cumulative Network Throughput grafikon mjeri ukupnu količinu podataka preuzetih i poslanih tokom trajanja testa.

Žuta linija predstavlja količinu podataka preuzetih (download) tokom testa - 220.75 MB, što pokazuje veliku mrežnu aktivnost usmjerenu na primanje podataka. Žuta linija ima gotovo linearan porast tokom testa, što sugerije stabilan protok podataka ka klijentima koji ukazuju na sposobnost aplikacije da upravlja mrežnim zahtjevima.

Crvena linija predstavlja količinu podataka poslanih (upload) tokom testa - 12.59 MB. Ovo je mnogo manja vrijednost u odnosu na download, što je tipično za aplikacije gdje korisnici preuzimaju više podataka nego što šalju.

Transactions grafikon



Transaction Throughput grafikon mjeri broj transakcija (kao što su hits, pages, errors, itd.) tokom vremena za vrijeme trajanja testiranja.

Hits

Maksimalna vrijednost od 336.3 pogodaka u sekundi ukazuje na velike zahtjeve prema serveru u najaktivnijim trenucima. Prosječna vrijednost od 113.7 pogodaka u sekundi pokazuje stabilnu, ali intenzivnu aktivnost tokom većine trajanja testa.

Errors

Minimalan broj grešaka (gotovo konstantna linija). Ovo je pozitivan pokazatelj da aplikacija uspješno odgovara na većinu zahtjeva.

Iterations

Nedostatak iteracija nam govori da u testu nije bilo cikličnih transakcija.

Pages

Nizak broj učitanih stranica upućuje na to da su korisnici pristupali malom broju resursa (ili stranica) tokom testa.

Aplikacija je uspjela podnijeti veliki broj pogodaka s minimalnim greškama. Za poboljšanje performansi, prvo bi trebalo analizirati zašto dolazi do grešaka (žutu liniju).

Član tima: Ayša Nil

Zadatak 1:

Pretraga proizvoda (ID: 10)						Help
Define	Execute	Chart				
Test Points (6 items)						
Title	Outcome	Order	Test Case Id	Configuration	Tester	Run for web application
<input type="checkbox"/> Validan unos ključne riječi (Ekvivalentne particije)	Passed	1	11	Windows 10	Ayša Nil	
<input type="checkbox"/> Prazan unos (Granična vrijednost - BVA)	Passed	2	12	Windows 10	Ayša Nil	
<input type="checkbox"/> Ključna riječ sa specijalnim karakterima (Ekvivalentne particije)	Passed	3	13	Windows 10	Ayša Nil	
<input type="checkbox"/> Pretraga ispod minimalne granice (BVA)	Passed	4	14	Windows 10	Ayša Nil	
<input type="checkbox"/> Pretraga sa unosom većim od maksimalne granice (BVA)	Passed	5	15	Windows 10	Ayša Nil	
<input type="checkbox"/> Pretraga djelimične ključne riječi (Ekvivalentne particije)	Passed	6	16	Windows 10	Ayša Nil	

U okviru ovog dijela projektnog zadatka, testirana je funkcionalnost pretrage na stranici. Analiziran je validan unos ključne riječi u polje za pretragu, pri čemu je potvrđeno ispravno prikazivanje rezultata pretrage za zadanu ključnu riječ. Posebna pažnja posvećena je graničnim slučajevima, uključujući:

- Minimalan broj karaktera potreban za uspješnu pretragu,
- Maksimalan broj karaktera dozvoljen za unos u polje za pretragu,
- Scenarij praznog unosa, gdje nije unesena nijedna ključna riječ.

Dodatno su testirani slučajevi u kojima pretraga ne vraća rezultate, kako bi se procijenilo na koji način aplikacija obrađuje takve situacije. Na kraju, ispitana je funkcionalnost djelimičnog unosa ključne riječi, s ciljem utvrđivanja da li aplikacija pravilno prikazuje sve objekte koji sadrže odgovarajući niz karaktera.

Ove provjere omogućile su cijelovit uvid u performanse funkcionalnosti pretrage unutar aplikacije.

Zadatak 2:

1. Test: Ključna riječ sa specijalnim karakterima

- Scenarij: Unos specijalnih karaktera !@#\$%^& u polje za pretragu.
- Rezultat: Poruka "*Your search returned no results.*" pravilno prikazana.
- Verifikacija: Test je uspješno prošao jer je aplikacija pravilno identificirala unos koji ne daje rezultate i prikazala odgovarajuću poruku.

https://magento.softwaretestingboard.com			
	Command	Target	
Value			
1	✓ open	/	
2	✓ set window size	652x672	
3	✓ click	css=.search > .label	
4	✓ type	id=search	!@#\$%^&
5	✓ send keys	id=search	\${KEY_ENTER}
6	✓ store text	css=.message.notice div	noResultMessage
7	✓ assert	noResultMessage	Your search returned no results.
8	✓ close		

2. Test: Prazan unos

- Scenarij: Izostavljanje unosa ključne riječi (prazan unos).
- Rezultat: Aplikacija ostaje na početnoj stranici (*Home Page*), potvrđujući da prazni unos ne pokreće pretragu.
- Verifikacija: Naslov stranice (*Home Page*) uspješno provjeren i potvrđen.

	Command	Target	Value
1	✓ open	/	
2	✓ set window size	652x672	
3	✓ click	css=.search > .label	
4	✓ send keys	id=search	\${KEY_ENTER}
5	✓ store title	Home Page	pageTitle
6	✓ assert	pageTitle	Home Page
7	✓ close		

3. Test: Pretraga djelimične ključne riječi

- Scenarij: Unos djelimične ključne riječi *Yoga*.
- Rezultat: Rezultati pretrage pravilno prikazuju proizvode čiji nazivi uključuju riječ *Yoga* (npr. *Josie Yoga Jacket*).
- Verifikacija: Rezultati pretrage provjereni upotrebom `includes()` metode, koja je potvrdila da svi prikazani proizvodi sadrže zadenu ključnu riječ.

	Command	Target	Value
1	✓ open	/	
2	✓ set window size	652x672	
3	✓ click	css=.search > .label	
4	✓ type	id=search	Yoga
5	✓ send keys	id=search	\${KEY_ENTER}
6	✓ store text	css=.product.name.product-item-name a	searchResult
7	✓ echo	\${searchResult}	
8	✓ execute script	return \${searchResult}.includes('Yoga');	result
9	✓ assert	result	true
10	✓ close		

4. Test: Pretraga ispod minimalne granice

- Scenarij: Unos ključne riječi ay (manje od 3 karaktera).
 - Rezultat: Prikazana poruka "*Minimum Search query length is 3*".
 - Verifikacija: Poruka uspješno provjerena i potvrđena kao odgovarajuća za ovaj scenarij.

Command	Target	Value
1 ✓ open	/	
2 ✓ set window size	652x672	
3 ✓ click	css=.search > .label	
4 ✓ type	id=search	ay
5 ✓ send keys	id=search	\${KEY_ENTER}
6 ✓ store text	css=.message.notice > div	targetMessage
7 ✓ assert	targetMessage	Minimum Search query length is 3
8 ✓ close		

5. Test: Pretraga sa unosom većim od maksimalne granice

- Scenarij: Unos više od dozvoljenih 128 karaktera.
 - Rezultat: Pretraga je automatski skraćena na prvih 128 karaktera, dok je ostatak unosa ignorisan.
 - Verifikacija: Provjereno da aplikacija ne dopušta unos većeg broja karaktera od maksimalno predviđenog.

6. Test: Validan unos ključne riječi

- Scenarij: Unos validne ključne riječi **Yoga jacket**.
 - Rezultat: Prikazan rezultat pretrage s tačnim proizvodom **Josie Yoga Jacket**.
 - Verifikacija: Provjera uspješna kroz direktno poređenje rezultata pretrage s očekivanim nazivom proizvoda.

	Command	Target	Value
1	✓ open	/	
2	✓ click	css=.search > .label	
3	✓ click	id=search	
4	✓ type	id=search	Yoga jacket
5	✓ send keys	id=search	\$(KEY_ENTER)
6	✓ store text	css=.product.name.product-item-name a	x
7	✓ assert	x	Josie Yoga Jacket
8	✓ close		

Testovi za funkcionalnost pretrage uključuju validan unos ključne riječi, unos specijalnih karaktera, djelimične ključne riječi, pretragu ispod minimalne granice, unos iznad maksimalne granice, i prazan unos. Svi testovi su uspješno eksportovani iz Selenium IDE u NUnit Selenium framework. Pri izvođenju, svi testovi su uspješno prošli, potvrđujući ispravno ponašanje aplikacije u različitim scenarijima.

▲	✓ PretragaTest (6)	1 min
	✓ kljucnaRijecSaSpecijalnimKarakterima	9.5 sec
	✓ prazanUnos	7.1 sec
	✓ pretragaDjelicneKljucneRijeci	11.1 sec
	✓ pretragaIspodMinimalneGranice	8.2 sec
	✓ pretragaSaUnosomVecimOdMaksimalneGranice	14.3 sec
	✓ validanUnosKljucneRijeji	10 sec

Testovi:

```
[Test]
❶ | 0 references
public void validanUnosKljucneRijeji()
{
    driver.Navigate().GoToUrl("https://magento.softwaretestingboard.com/");
    driver.FindElement(By.Id("search")).Click();
    driver.FindElement(By.Id("search")).SendKeys("Yoga jacket");
    driver.FindElement(By.Id("search")).SendKeys(Keys.Enter);
    vars["x"] = driver.FindElement(By.CssSelector(".product.name.product-item-name a")).Text;
    Assert.That(vars["x"], Is.EqualTo("Josie Yoga Jacket"));
    driver.Close();
}

[Test]
❷ | 0 references
public void kljucnaRijecSaSpecijalnimKarakterima()
{
    driver.Navigate().GoToUrl("https://magento.softwaretestingboard.com/");
    driver.FindElement(By.Id("search")).SendKeys("!@#$%^&");
    driver.FindElement(By.Id("search")).SendKeys(Keys.Enter);
    vars["noResultMessage"] = driver.FindElement(By.CssSelector(".message.notice div")).Text;
    Assert.That(vars["noResultMessage"].ToString(), Is.EqualTo("Your search returned no results."));
    driver.Close();
}
```

```

[Test]
● | 0 references
public void pretragaIsPodMinimalneGranice()
{
    driver.Navigate().GoToUrl("https://magento.softwaretestingboard.com/");
    driver.FindElement(By.Id("search")).SendKeys("a");
    driver.FindElement(By.Id("search")).SendKeys(Keys.Enter);
    vars["targetMessage"] = driver.FindElement(By.CssSelector(".message.notice > div")).Text;
    Assert.That(vars["targetMessage"].ToString(), Is.EqualTo("Minimum Search query length is 3"));
    driver.Close();
}
[Test]
● | 0 references
public void pretragaDjelicneKljuoceneRijeci()
{
    driver.Navigate().GoToUrl("https://magento.softwaretestingboard.com/");
    driver.FindElement(By.Id("search")).SendKeys("Yoga");
    driver.FindElement(By.Id("search")).SendKeys(Keys.Enter);
    vars["searchResult"] = driver.FindElement(By.CssSelector(".product.name.product-item-name a")).Text;
    Console.WriteLine(vars["searchResult"].ToString());
    bool result = (bool)js.ExecuteScript("return arguments[0].includes('Yoga')", vars["searchResult"]);
    Assert.That(result, Is.True);
    driver.Close();
}

```

```

[Test]
● | 0 references
public void pretragaSaUnosomVecimOdMaksimalneGranice()
{
    driver.Navigate().GoToUrl("https://magento.softwaretestingboard.com/");
    driver.Manage().Window.Size = new System.Drawing.Size(652, 672);
    driver.FindElement(By.CssSelector(".search > .label")).Click();
    driver.FindElement(By.Id("search")).SendKeys("Yoga jacketYoga jacketYoga jacketYoga jacketYoga jacketYoga");
    driver.FindElement(By.Id("search")).SendKeys(Keys.Enter);
    vars["searchedText128char"] = driver.FindElement(By.CssSelector(".base")).Text;
    vars["wantedToSearch132char"] = "Search results for: \'Yoga jacketYoga jacketYoga jacketYoga jacketYoga jacketYoga jacketYoga jacketYoga jacket\'";
    bool notEqual = (bool)js.ExecuteScript("return \'searchedText128char\' != \'wantedToSearch132char\'");
    Assert.That(notEqual, Is.True);
    driver.Close();
}

[Test]
● | 0 references
public void prazanUnos()
{
    driver.Navigate().GoToUrl("https://magento.softwaretestingboard.com/");
    driver.Manage().Window.Size = new System.Drawing.Size(652, 672);
    driver.FindElement(By.CssSelector(".search > .label")).Click();
    driver.FindElement(By.Id("search")).SendKeys(Keys.Enter);
    vars["pageTitle"] = driver.Title;
    Assert.That(vars["pageTitle"].ToString(), Is.EqualTo("Home Page"));
    driver.Close();
}

```

Zadatak 3:

Method: POST

URL:

<https://magento.softwaretestingboard.com/rest/default/V1/integration/customer/token>

Body:

```
{
    "username": "mail@etf.unsa.ba",
    "password": "password1" }
```

Kreiranje prvog testa - Login (Valid Credentials)

Scripts:

1. Provjera da li je statusni kod 200. Ako nije 200, to znači da je došlo do greške ili da zahtjev nije pravilno obrađen.

```
pm.test("Status code is 200", function () {  
    pm.response.to.have.status(200);  
});
```

2. Provjerava da li tijelo odgovora (response body) nije prazno.

```
pm.test("Response body is not empty", function () {  
    pm.expect(pm.response.text()).to.not.be.empty;  
});
```

3. Provjerava da li tijelo odgovora sadrži validan token.

```
pm.test("Response contains valid token", function () {  
    const token = pm.response.text().replace(/\//g, '');  
    pm.expect(token).to.match(/^[\w\W0-9_-]+$/);  
});
```

4. Provjerava da li je vrijeme odgovora API-ja manje od 2000ms.

```
pm.test("Response time is less than 2000ms", function () {  
    pm.expect(pm.response.responseTime).to.be.below(2000);  
});
```

Rezultati:

PASSED	Status code is 200
PASSED	Response body is not empty
PASSED	Response contains valid token
PASSED	Response time is less than 2000ms

Kreiranje drugog testa - Login (Invalid Credentials)

Scripts:

1. Provjerava da li je statusni kod 401. Status kod 401 Unauthorized znači da je korisnik poslao nevalidne kredencijale.

```
pm.test("Status code is 401", function () {  
    pm.response.to.have.status(401);  
});
```

2. Provjerava da li tijelo odgovora sadrži tačnu poruku o grešci.

```
pm.test("Response contains error message", function () {  
    const responseJson = pm.response.json();  
    pm.expect(responseJson.message).to.equal("The account sign-in was incorrect  
or your account is disabled temporarily. Please wait and try again later.");  
});
```

3. Provjerava da li tijelo odgovora ima svojstvo message. Osigurava da API vraća standardizovanu strukturu greške, gde je svojstvo message prisutno.

```
pm.test("Error structure contains message property", function () {  
    const responseJson = pm.response.json();  
    pm.expect(responseJson).to.have.property("message");  
});
```

4. Provjerava da li API odgovor stiže za manje od 1000ms. API treba da radi brzo i efikasno. Ako je odgovor spor, to može uzrokovati loše korisničko iskustvo.

```
pm.test("Response time is less than 1000ms", function () {  
    pm.expect(pm.response.responseTime).to.be.below(1000);  
});
```

Rezultati:

PASSED Status code is 401

PASSED Response contains error message

PASSED Error structure contains message property

FAILED Response time is less than 1000ms | Assertion Error: expected 1103 to be below 1000

Method: PUT

URL: <https://magento.softwaretestingboard.com/rest/default/V1/customers/password>

Body:

```
{  
    "email": "mail@etf.unsa.ba",  
    "template": "email_reset",  
    "websiteld": 1  
}
```

Kreiranje testa za ispravan zahtjev za resetovanje lozinke (Valid Password Reset Request)

Scripts:

1. Provjera da li je statusni kod 200

```
pm.test("Status code is 200", function () {  
    pm.response.to.have.status(200);  
});
```

2. Provjera da li odgovor dolazi u JSON formatu

```
pm.test("Response is in JSON format", function () {  
    pm.response.to.be.json;  
});
```

3. Provjera da li odgovor sadrži true

```
pm.test("Response body contains true", function () {  
    const responseJson = pm.response.json();  
    pm.expect(responseJson).to.eql(true);  
});
```

4. Validacija vremena odgovora kroz responseTime u odnosu na najbrži mogući odgovor

```
pm.test("Response time is within acceptable range", function () {  
    pm.expect(pm.response.responseTime).to.be.within(100, 1500);  
});
```

Rezultati:

PASSED Status code is 200

PASSED Response is in JSON format

PASSED Response body contains true

PASSED Response time is within acceptable range