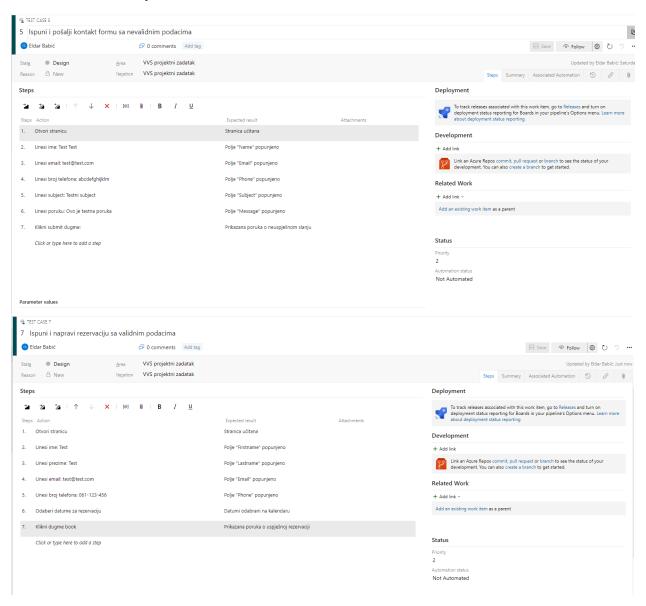
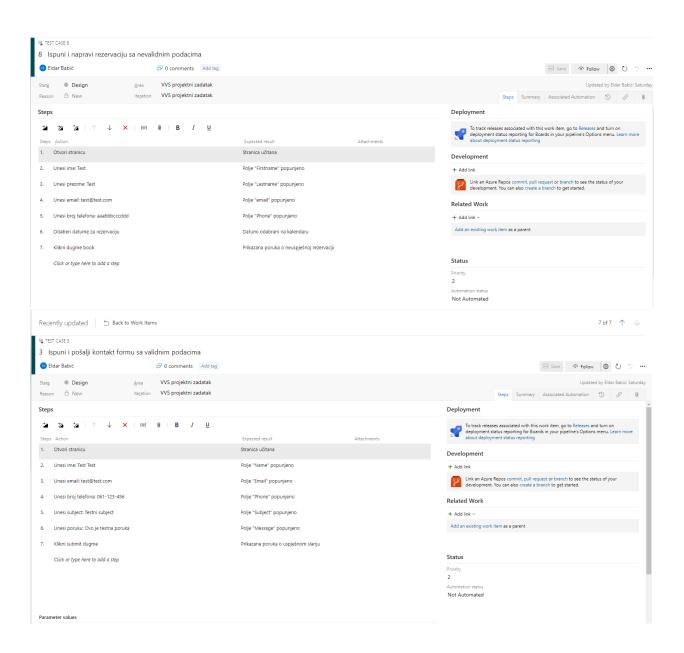
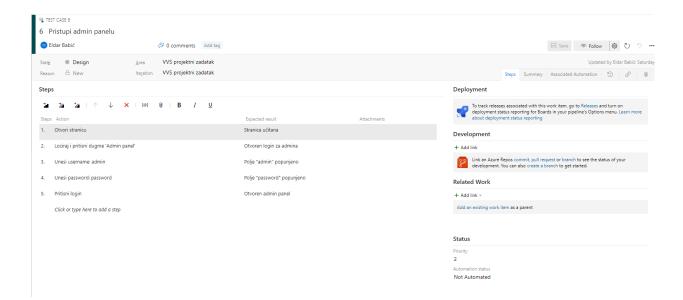
Za testiranje sam koristio https://automationintesting.online/ jer sam na ovoj aplikaciji mogao testirati i Web UI i ima dobro dokumentovan API na: https://restful-booker.herokuapp.com/apidoc/index.html

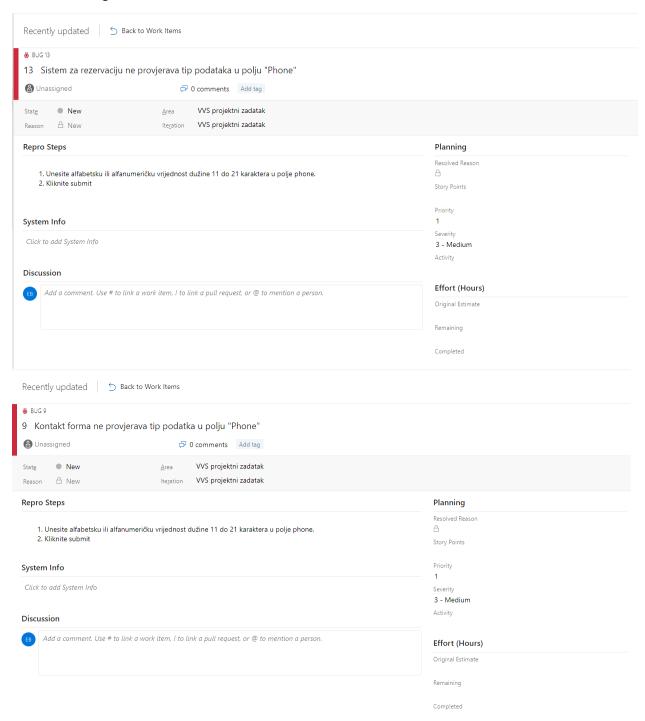
Zadatak 1. Testni slučajevi:

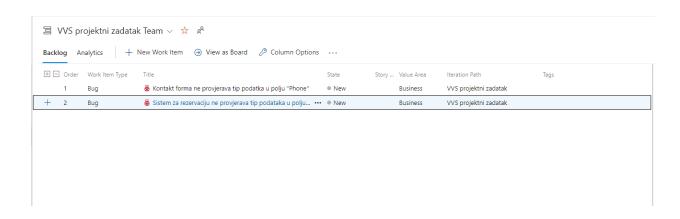




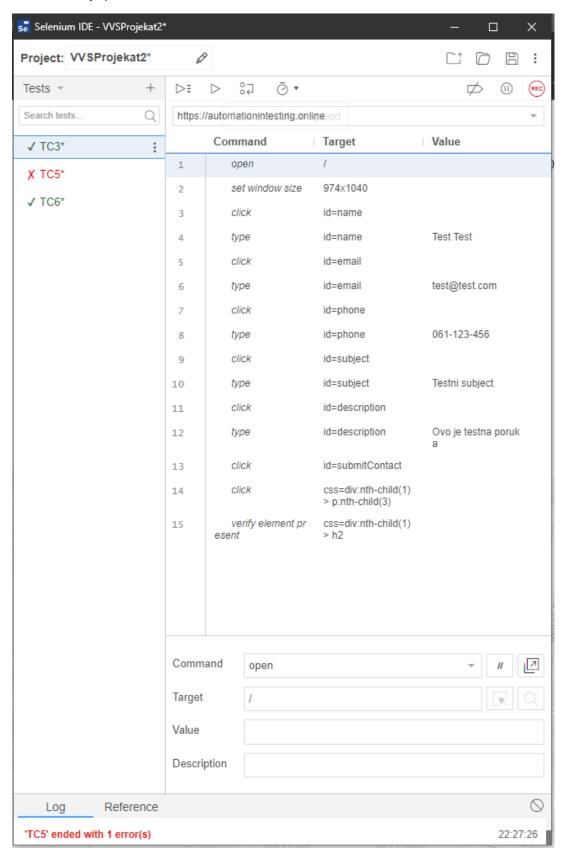


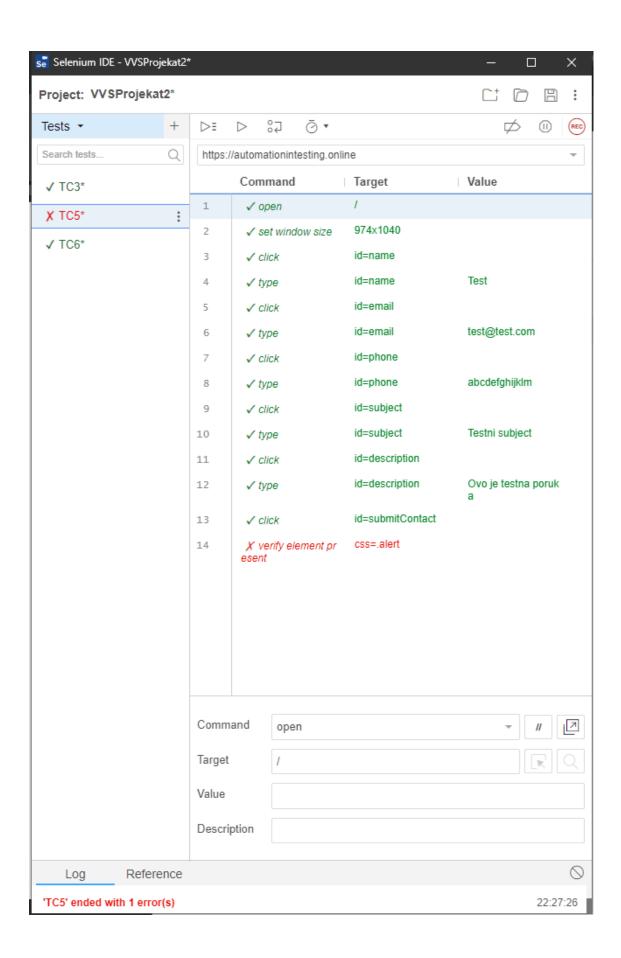
Evidentirani bugovi

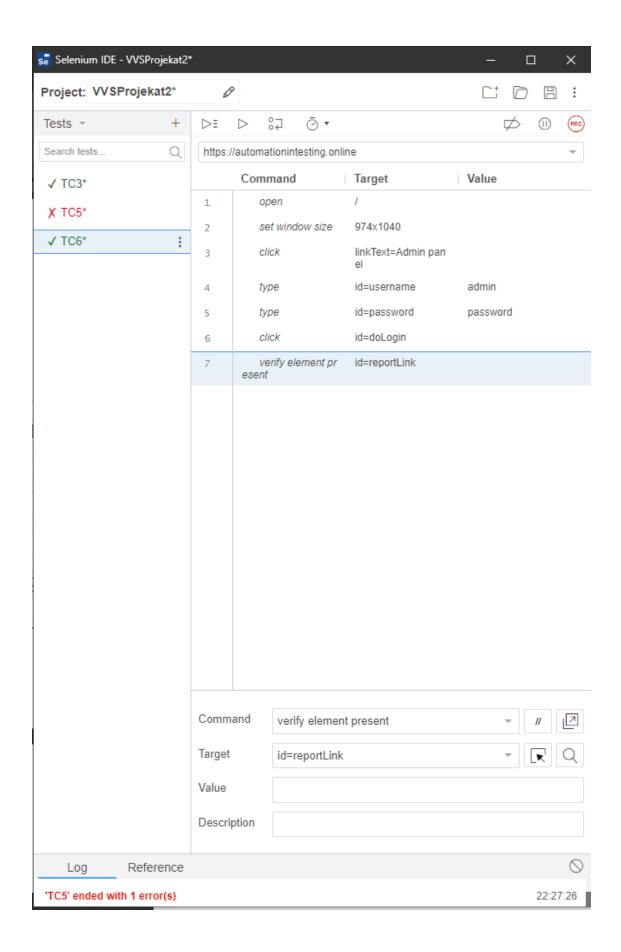




Automatizacija pomoću Selenium IDE:

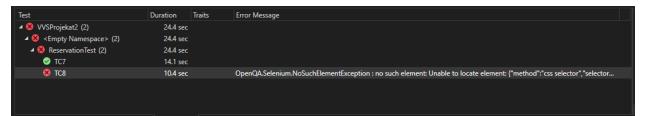




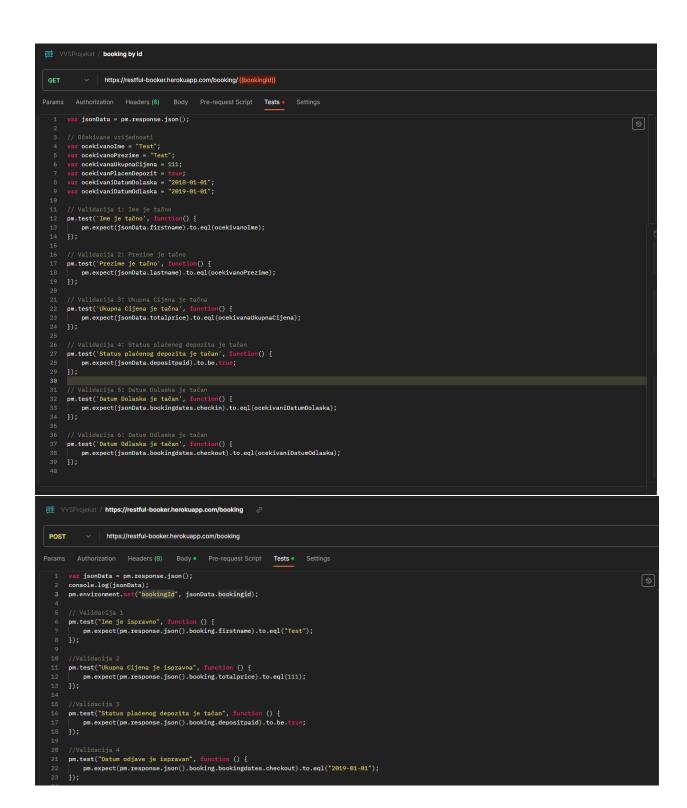


```
public void TC8()
    driver.Navigate().GoToUrl("https://automationintesting.online/");
    driver.Manage().Window.Size = new System.Drawing.Size(974, 1040);
    driver.FindElement(By.CssSelector(".btn:nth-child(5)")).Click();
    driver.FindElement(By.CssSelector("button:nth-child(3)")).Click();
        var dragged = driver.FindElement(By.XPath("//button[text()=\'02\']"));
        var dropped = driver.FindElement(By.XPath("//button[text()=\'16\']"));
        Actions builder = new Actions(driver);
        builder.DragAndDrop(dragged, dropped).Perform();
    Thread.Sleep(2000);
    driver.FindElement(By.Name("firstname")).Click();
    driver.FindElement(By.Name("firstname")).SendKeys("Test");
    driver.FindElement(By.Name("lastname")).SendKeys("Test");
    driver.FindElement(By.Name("email")).SendKeys("test@test.com");
    driver.FindElement(By.Name("phone")).SendKeys("aaabbbcccddd");
    driver.FindElement(By.CssSelector(".btn:nth-child(6)")).Click();
    var successButton = driver.FindElement(By.CssSelector(".btn:nth-child(1)"));
    successButton.Click();
    Thread.Sleep(4000);
    var success = driver.FindElement(By.CssSelector(".alert"));
    Thread.Sleep(4000);
```

```
[Test]
I o references | Please sign-in to New Relic CodeStream to see Code Level Metrics
public void TC7()
    driver.Navigate().GoToUrl("https://automationintesting.online/");
    driver.Manage().Window.Size = new System.Drawing.Size(974, 1040);
    driver.FindElement(By.CssSelector(".btn:nth-child(5)")).Click();
    driver.FindElement(By.CssSelector("button:nth-child(3)")).Click();
         var dragged = driver.FindElement(By.XPath("//button[text()=\'11\']"));
         var dropped = driver.FindElement(By.XPath("//button[text()=\'25\']"));
         Actions builder = new Actions(driver);
         builder.DragAndDrop(dragged, dropped).Perform();
    Thread.Sleep(2000);
    driver.FindElement(By.Name("firstname")).Click();
    driver.FindElement(By.Name("firstname")).SendKeys("Test");
    driver.FindElement(By.Name("lastname")).SendKeys("Test");
driver.FindElement(By.Name("email")).SendKeys("test@test.com");
    driver.FindElement(By.Name("phone")).SendKeys("061-123-456");
driver.FindElement(By.CssSelector(".btn:nth-child(6)")).Click();
    var successButton = driver.FindElement(By.CssSelector(".btn:nth-child(1)"));
    successButton.Click();
    Thread.Sleep(4000);
    var success = driver.FindElement(By.XPath("//*[contains(text(), 'Booking Successful!')]"));
    Thread.Sleep(4000);
```



Test 8 i treba da pada jer aplikacija nema validaciju za broj telefona. Trebao bi se pojaviti element sa selektorom .alert.



```
WSProjekat
+ https://restful-booker.herokuapp.com/booking
POST https://restful-booker.herokuapp.com/booking
[200 OK, 943B, 587ms]

{
    bookingid: 1687,
    booking: {
        firstname: 'Test',
        lastname: 'Test',
        lastname: 'Test',
        totalprice: 111,
        depositpaid: true,
        bookingdates: { checkin: '2018-01-01', checkout: '2019-01-01'
        m },
        additionalneeds: 'Breakfast'
    }

} 

V Ime je ispravno
v Ukupna Cijena je ispravna
v Status plaćenog depozita je tačan
v Datum odjave je ispravan

- booking by id
GET https://restful-booker.herokuapp.com/booking/1687 [200 OK, 922B, 133ms]
v Ime je tačno
v Ukupna Cijena je tačna
v Status plaćenog depozita je tačan
v Datum Dollaska je tačan
v Datum Odlaska je tačan
v https://restful-booker.herokuapp.com/booking?firstname=Test&lastname=Test
GET https://restful-booker.herokuapp.com/booking?firstname=Test&lastname=Test
GET https://restful-booker.herokuapp.com/booking?firstname=Test&lastname=Test
V Odgovor je validan i ima body
v Kreirani IO je number
v Postoji makar jedan IO
v Kreirani IO je sadržan u nizu
```

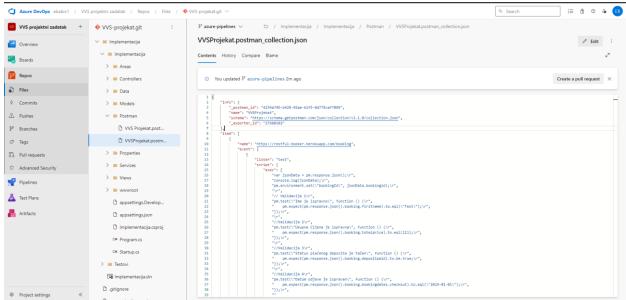
	executed	failed
iterations	1	0
requests	3	0
test-scripts	3	0
prerequest-scripts	9	0
assertions	14	0

total run duration: 1142ms

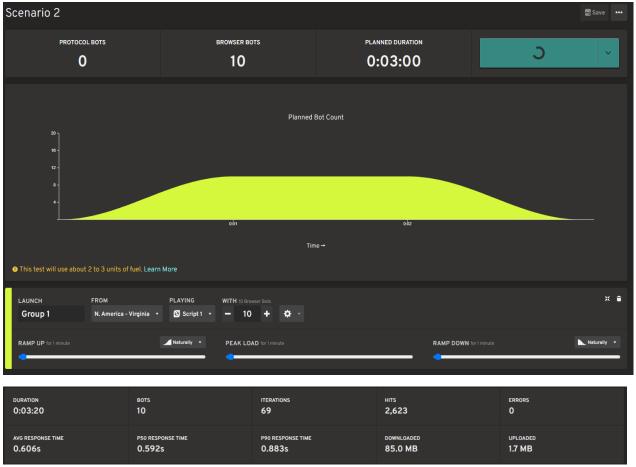
total data received: 385B (approx)

average response time: 284ms [min: 133ms, max: 587ms, s.d.: 214ms]

Testovi su dokumentovani ovdje:



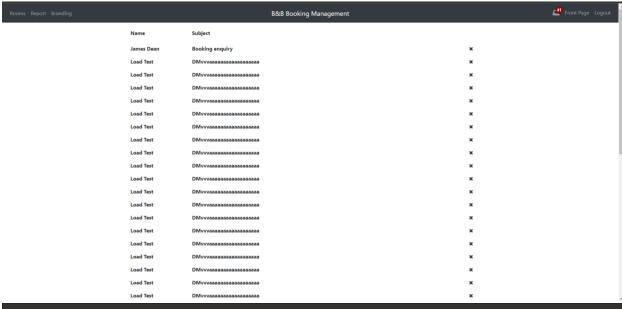
Zadatak 3: load testiranje



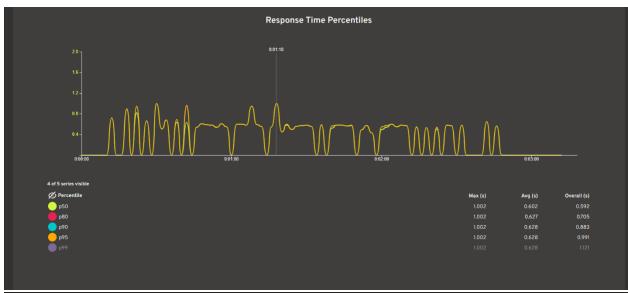
Korištena je ova skripta koja je snimljena upotrebom Loadster recorder plugina.

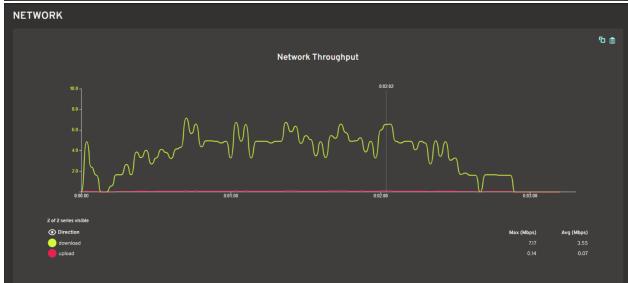


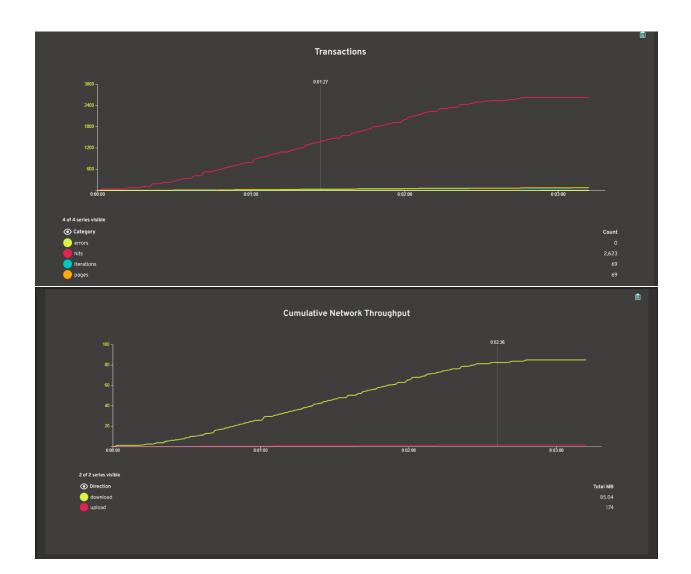
Na admin panelu aplikacije vidimo da su se kreirali zahtjevi:

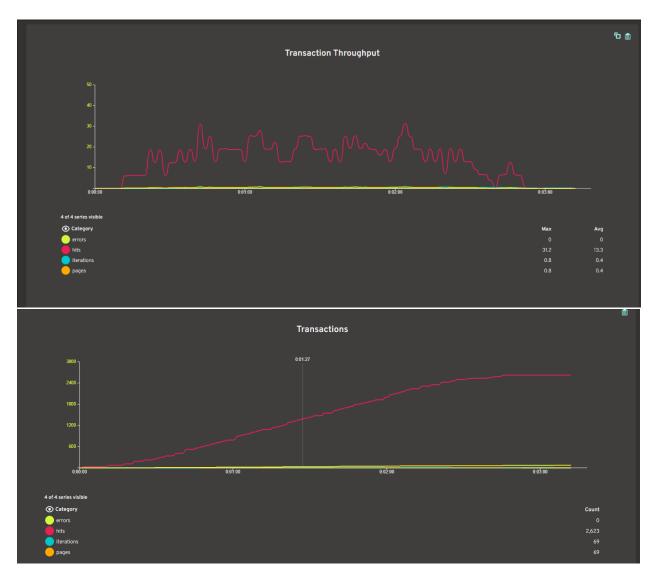






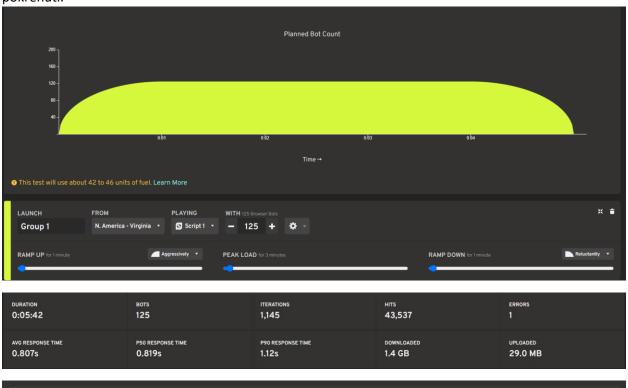


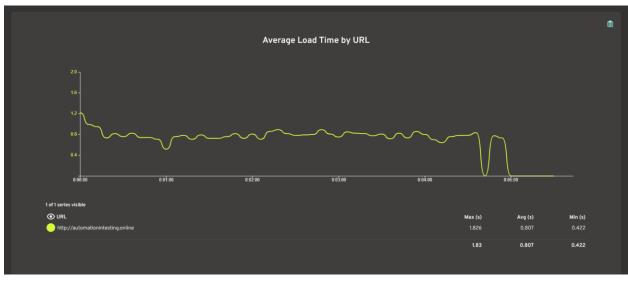


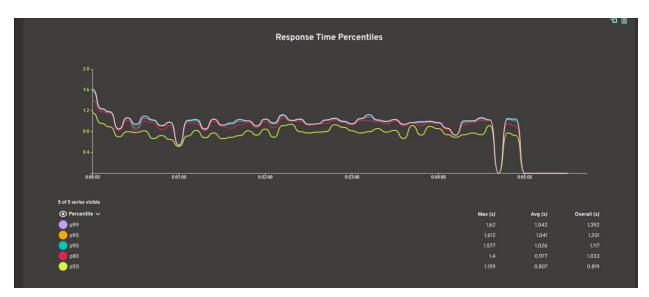


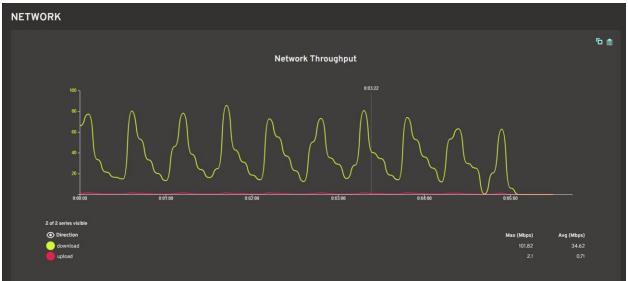
Možemo vidjeti da web stranica nije padala u slučaju load testa.

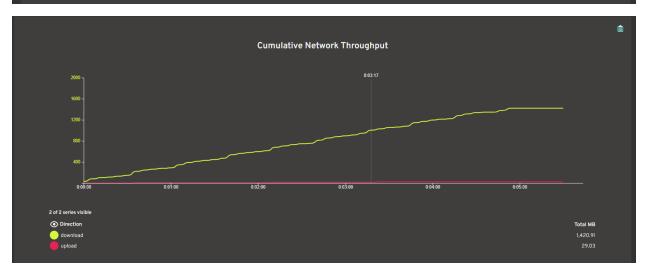
S obzirom da sa besplatnim planom imamo ograničene resurse, ovo je najveći stres test koji sam mogao pokrenuti.

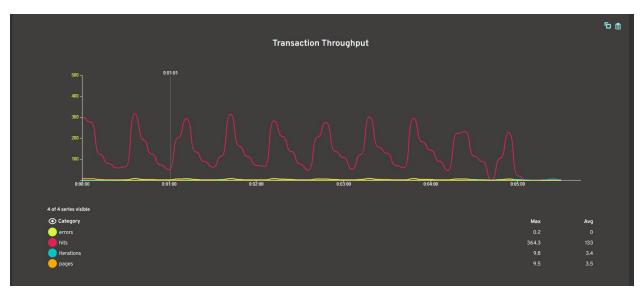


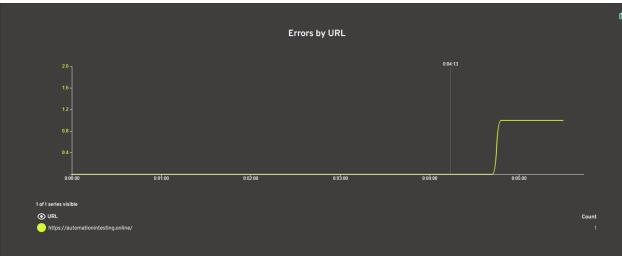












Pri kraju se desila jedna. To, uz pad response timea u vrijeme greške nam govori da je web stranica imala poteškoće sa stres testom:





Azure pipelines Postman integration:

