SOFTWARE ENGINEERING

TESTING DOCUMENTATION

TESTING RADNIKBA WEBSITE

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1. Introduction

1.1. About the project testing

The testing was done as part of the project for the IT 309 Software Engineering course at International Burch University.

1.2. Project Functionalities and Screenshots

We tested the radnikba page that we created as part of a project for the IT 309 Software Engineering course at Burch International University.

Radnikba is an online platform for advertising construction workers. Aware of the lack of construction workers in our country, we believe that a platform is needed so that insight into all workers are more easily accessible. Users of the platform will be able to see all the basic information about workers.



Dobrodošli na Radnikba

Email adresa

harunkunovac@gmail.com

....

Prijavi se

Registruj se...

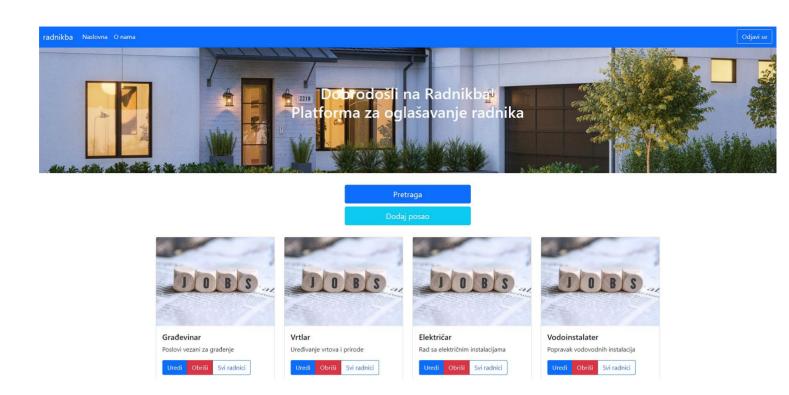
Login page

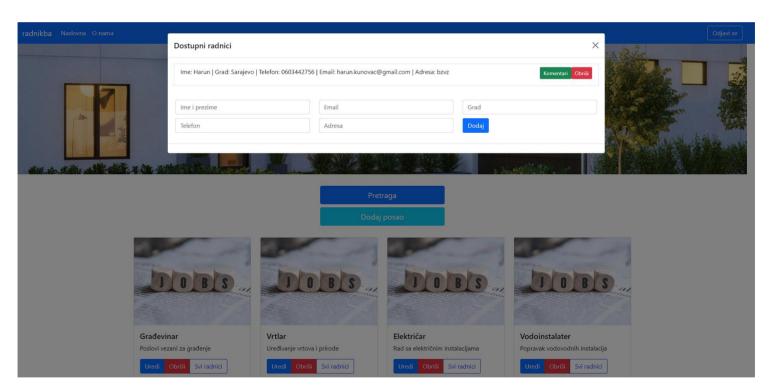


Registruj se na Radnikba

Prezime		
Email adresa		
Lozinka		
Grad		
	Registruj se	

Registration page





Main features

2. Test Plan

2.1. Scope

We made sure to cover all important parts of the website. Our focus was to confirm all functionalities of given website work as intended. We separated tests so each one of them covers one functionality.

2.2. Testing Environment and Tools

For IDE we used Eclipse with JUnit 5 and Selenium. All tests are written using Java programming language.

3. Test Execution

3.1. Login test

Test Name: loginTest() Description: User login test							
Pre-condition(s):							
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:			
 Enter email Enter password Click "Login" button 	- Email, password of test user	- At the end of the test, the user should successfully log in	User successfully logged in	PASS			

```
/* Login testing on the <u>raddikka</u> page

* * */
8Test
8Order(1)

void loginTest() throws InterruptedException 
webDriver.get(baseUrl);
webDriver.manage().window().maximize();
Thread.sleep(5000);

WebElement email = webDriver.findElement(By.xpath("/html/body/main/div/div/div/div/div/div/form/div[1]/input"));
email.clear();
email.sendKeys("harun.kunovac@stu.ibu.edu.ba");
Thread.sleep(2000);

WebElement password = webDriver.findElement(By.xpath("/html/body/main/div/div/div/div/div/div/form/div[2]/input"));
password.clear();
password.clear();
password.sendKeys("lill");
Thread.sleep(2000);

WebElement prijaviSebutton = webDriver.findElement(By.xpath("/html/body/main/div/div/div/div/div/div/form/button"));
prijaviSebutton.click();
Thread.sleep(5000);
```

3.2. Register test

Test Name: register Test	Test Name: registerTest()						
Description: User registration test							
Pre-condition(s):							
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:			
1. Press "Registruj se" 2. Enter name 3. Enter surname 4. Enter email 5. Enter password 6. Enter city 7. Press register button	-Name and surname, email, password, city,	We expect the test user to register successfully	Registration successfully completed	PASS			

3.3. Test on the review of workers and reviews

Notes:

Test Name: reviewTest()						
Description: Test whether the user has insight into the workers and the option to add and delete reviews.						
Pre-condition(s):						
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:		
 Enter email Enter password Click "Login" button Press "Svi radnici" button Press "Komentari" Choose a rating Add comment text Add comment Delete comment 	Email, password Comment text	The user should see the workers, add a review successfully (rating and comment), and then delete the comment he previously added.	successfully added	PASS		

```
email.clear();
email.sendKeys("harun.kunovac@stu.ibu.edu.ba");
WebElement password = webDriver.findElement(By.xpath("/html/body/main/div/div/div/div/div/div/div/form/div[2]/input"));
WebElement prijaviSebutton = webDriver.findElement(By.xpath("/html/body/main/div/div/div/div/div/div/form/button"));
prijaviSebutton.click();
scroll.sendKevs(Kevs.PAGE DOWN);
Thread.sleep(2000);
komentari.click();
Thread.sleep(2000);
WebElement komentar = webDriver.findElement(By.xpath("/html/body/div[4]/div/div/div[3]/form/div/div[2]/input"));
komentar.sendKeys("Odlican radnik");
WebElement dodajButton = webDriver.findElement(By.xpath("/html/body/div[4]/div/div/div[3]/form/div/div[3]/button"));
 Thread.sleep(3000);
obrisiButton.click();
 Thread.sleep(3000);
```

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3.4 Search test

Test Name: searchTest()							
Description: Testing the search option							
Pre-condition(s):							
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:			
 Enter email Enter password Click "Login" button Press "Pretraga" button Enter the search Press search 	Email, password Search text	Search results should be printed on the entered search text	The test showed that the functionality works successfully	PASS			
Notes:							

3.5 Admin Test

Test Name: adminTest()						
Description: Admin login and testing adding, editing and deleting jobs						
Pre-condition(s):						
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:		
1. Enter email 2. Enter password 3. Click "Login" button 4. Press "Dodaj posao" 5. Enter job name 6. Enter job description 7. Press "Potvrdi" 8. Press "Uredi" 9. Edit job name 10. Edit job description 11. Press "Sacuvaj promjene" 12. Press "Obrisi"	-Email, password, job name, job description	Successful login as admin, adding a job, editing a job (job name and job description) and deleting a job	Actions performed as expected	PASS		

```
Thread.sleep(5000);
WebElement email = webDriver.findElement(By.xpath("/html/body/main/div/div/div/div/div/div/form/div[1]/input"));
email.clear();
WebElement password = webDriver.findElement(By.xpath("/html/body/main/div/div/div/div/div/div/form/div[2]/input"));
password.sendKeys("1111");
WebElement prijaviSebutton = webDriver.findElement(By.xpath("/html/body/main/div/div/div/div/div/div/form/button"));
prijaviSebutton.click();
WebElement dodajPosao = webDriver.findElement(By.xpath("/html/body/main/div[2]/div[1]/button[2]"));
dodajPosao.click();
WebElement imePosla = webDriver.findElement(By.xpath("/html/body/div[2]/div/div/form/div[2]/div[1]/input"));
opisPosla.sendKeys("Testni posao");
Thread.sleep(2000);
potvrdi.click();
Thread.sleep(3000);
WebElement scroll = webDriver.findElement(By.xpath("/html/body/main/div[2]/div[2]/div[5]/div/div/div/button[1]"));
scroll.sendKeys(Keys.PAGE DOWN);
WebElement urediPosao = webDriver.findElement(By.xpath("/html/body/main/div[2]/div[3]/div[5]/div/div/div/button[1]"));
urediPosao.click();
imePoslal.clear();
imePoslal.sendKeys("Testni posao 1");
Thread.sleep(2000);
Inread.sleep(2000);
   WebElement opisPoslal = webDriver.findElement(By.xpath("/html/body/div[1]/div/div/div[2]/input[3]"));
   sacuvajPromjene.click();
   scroll2.sendKeys(Keys.PAGE_DOWN);
   WebElement obrisiPosao = webDriver.findElement(By.xpath("/html/body/main/div[2]/div[3]/div[3]/div/div/div/button[2]"));
   Thread.sleep(3000);
```

3.6 Test for adding and deleting workers

Test Name: adminTest2()						
Description: Adding and deleting workers as admin						
Pre-condition(s):						
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:		
 Enter email Enter password Click "Login" button Press "Svi radnici" Enter name and surname Enter email Enter city Enter phone Enter address Press "Dodaj" Press "Obrisi" for deleting worker 	-Email, password, Name, surname, email, city, phone, address	Successfully adding and deleting a worker	Actions performed as expected	PASS		

```
webDriver.manage().window().maximize();
Thread.sleep(5000);
WebElement email = webDriver.findElement(By.xpath("/html/body/main/div/div/div/div/div/div/form/div[1]/input"));
email.clear();
Thread.sleep(2000);
WebElement password = webDriver.findElement(By.xpath("/html/body/main/div/div/div/div/div/div/div/form/div[2]/input"));
password.clear();
password.sendKeys("1111");
WebElement prijaviSebutton = webDriver.findElement(By.xpath("/html/body/main/div/div/div/div/div/div/form/button"));
Thread.sleep(2000);
WebElement scroll = webDriver.findElement(By.xpath("/html/body/main/div[2]/div[2]/div[3]/div/div/div/button[3]"));
scroll.sendKeys(Keys.PAGE_DOWN);
Thread.sleep(2000);
sviRadnici.click();
WebElement imeIprezime = webDriver.findElement(By.xpath("/html/body/div[3]/div/div[div[3]/form/div/div[1]/input"));
imeIprezime.sendKeys("Test Tester");
Thread.sleep(2000);
WebElement email2= webDriver.findElement(By.xpath("/html/body/div[3]/div/div[3]/form/div/div[2]/input"));
grad.sendKeys("Testni grad");
Thread.sleep(2000);
WebElement telefon= webDriver.findElement(By.xpath("/html/body/div[3]/div/div[3]/form/div/div[4]/input"));
telefon.sendKevs("061111212");
Thread.sleep(2000);
WebElement adress= webDriver.findElement(By.xpath("/html/body/div[3]/div/div[3]/form/div/div[5]/input"));
Thread.sleep(2000);
   Thread.sleep(3000);
                                                                                                                  Line: 309
```

Conclusion

3.7 Testing Summary

Testing Tool	Total Tests	Passed Tests	Failed Tests
Selenium, Junit and Eclipse with	6	6	0
Java programming language			

3.8 Final Thoughts

Every test was successfully passed, and we are very satisfied with the work done. Also, we are glad that we were able to successfully test the site that we created. We would like to thank the professor and assistants for the opportunity for such a project.