

SOFTWARE TESTING

NoteBit Fields and their inputs

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Adding the note-

Title

Date

Body

Login Portal-

Username-

Password-

For creating a new account-

Full Name-

Username-

Choose Password-

Confirm Password-

Adding the Note

Black Box Testing

Field	Accepted Value	Received Value	Expected Result	Received Result	Verdict
Tite	Alphanumeric characters	Numeric Value	Error Message Toast	Error message Toast saying 'name can only have the alphanumerics	Pass
Date	8 digit number with pairwise digits followed by a character '-', a total of 10 characters	More than 10 characters	Error message toast	Error message Toast saying 'Phone number must have 8 digits	Pass
Body	String with the 500-word limit	More than 500	Error Message Toast	Error message Toast saying 'Cant enter more than 500	Pass

Boundary value analysis

Field	Limit	Breaking of Limit expected result	Received result	Verdict
Title	60 characters	Cursor stops noting	Cursor stops noting	Pass
Date	10 Characters	Cursor stops noting	Cursor stops noting	Pass
Body	500 characters	Cursor stops noting	Cursor stops noting	Pass

Equivalence Class Partitioning

Title

Invalid	Invalid	Invalid	Invalid	Valid
Numeric	Alphanumeric	Special Character	Blank	Alphabetical characters
23552	Happy129	gross@dity		This is my title.

Date

Invalid	Invalid	Invalid	Invalid	Valid
Less than 8 digits	More than 8 digits	Special Character	Blank	10 digits
2-3	09-12-22-45	8743@42		03-04-22

Body

Invalid	Invalid	Invalid	Invalid	Valid
	More than 500 characters			String with less than or equal to 500 characters

Login Portal-

Black box testing

Field	Accepted value	Received Value	Expected result	Received Result	Verdict
Username	Alphanumeric string	Numeric Value	Error Message Toast	Error message saying 'Enter valid username'	Pass
Password	A string of min length of 8 characters	blank	Error Message Toast	Error message saying 'Enter valid	Pass

	continuing alphanumerics and at least one special character			Password"	
Full Name	Alphabetical String	Numeric Value	Error toast message	Error message Toast saying 'name cannot have the number'	Pass

Boundary Value Analysis

Field	Limit	Breaking of Limit expected result	Received result	Verdict
Username	Should not be more than 10 letters	Username exceeding the word limit	Invalid Username	Pass
Password	A string of min length 8	Must contain at least one symbol, or letter or number	Must contain at least one symbol, letter or number	Pass
Full Name	60 characters	Cursor stops noting	Cursor stops noting	Pass

Equivalence Class Partitioning

Username

Invalid	Invalid	Invalid	Invalid	Valid
Just numerics	blank			String less than 10 letters
				indian_iit

Password

Invalid	Invalid	Invalid	Invalid	Valid
blank	More than 8 characters	No Special characters	No Numerics	Having at least one symbol, character, number with a min of 8 characters
	ddwdwdiowhdioh	password	password	IIT_45191J

	wodo			
--	------	--	--	--

Full Name

Invalid	Invalid	Invalid	Invalid	Valid
blank	Numeric	Alphanumeric	Special Character	Alphabetical characters
	12345	arora123	chomi@lol	Devkahr Goryani

Integration Test Cases

Adding the note:

Method of adding the data: A button that the user presses after entering note details which send the data to the backend

Result of sending data-

Field	Necessary	Expected response on blank submission	Received Result	Verdict
Title	Yes	Error Toast Message	Error toast saying 'cannot have blank Title'	Pass
Date	Yes	Error Toast Message	Error toast saying 'cannot have a blank date'	Pass
Body	Yes	Error Toast Message	Error toast saying 'cannot have a blank body'	Pass

Login Portal

Method of authenticating: An interface that lets the user enter into his workspace by authenticating his credentials. In case the user is new, he can signup for a new account.

Result of authentication-

Field	Necessary	Expected response on blank submission	Received Result	Verdict
Username	Yes	Error Toast Message	Error toast saying 'cannot have blank Username'	Pass
Password	Yes	Error Toast Message	Error toast saying 'cannot have blank Password'	Pass
Full Name	No	Error Toast Message	Error toast saying 'cannot have blank Name'	Pass

Testing Script

Adding the notes:

Test for Title

```

Apha_strings = generate_alpha_strings()
Numeric_strings = generate_neumeric_strings()
Special_strings = generate_special_strings()

String_bag = shuffle([alpha_strings,Neumeric_strings,Special_strings,' '])
For object in string_bag:
    Test_result = test_titlefield(object)
    Expected_result = get_expected_result(object)
    Verdict = check(Test_result,Expected_result)
    Store(verdict)

```

The same kind of testing can be done for other parameters.

Login Portal:

We can test for various fields by generating different names

Test for Username and password:

```

public void login() {
    System.setProperty("webdriver.chrome.driver", "path of driver");
    WebDriver driver=new ChromeDriver();
    driver.manage().window().maximize();
    driver.get("https://www.browserstack.com/users/sign_in");
    WebElement username=driver.findElement(By.id("user_email_Login"));
}

```

```
WebElement password=driver.findElement(By.id("user_password"));
WebElement login=driver.findElement(By.name("commit"));
username.sendKeys("abc@gmail.com");
password.sendKeys("your_password");
login.click();
String actualUrl="https://live.browserstack.com/dashboard";
String expectedUrl= driver.getCurrentUrl();
Assert.assertEquals(expectedUrl,actualUrl);
```