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Instructions :

1. Please complete these tasks in 2 hours
2. Read the questions carefully before you answers.

1. Write positive and negative test cases for this page (shopee login page)

The image shows two versions of the Shopee login page side-by-side. The left version is for phone number login, with fields for 'Nomor Telepon', 'Kirim Kode Verifikasi', 'Kode Verifikasi', and 'Masukkan kode captcha'. The right version is for email/username login, with fields for 'Email/No. Telp/Username' and 'Password'. Both pages have a 'Daftar' (Register) link at the top right and a 'Butuh bantuan?' (Need help?) link at the bottom. Below the login fields, there are buttons for 'NANTI SAJA' (Later) and 'Login'. At the bottom, there are links for 'Login Melalui Shopee', 'Lanjutkan dengan Facebook', 'Login Melalui SMS', and 'Lanjutkan dengan Facebook'.

Story	Test Case	No Step	Steps to reproduce	Expected Result
As a user, I want to login via SMS	Login with registered number	1	Click “Login melalui SMS”	Will direct to login melalui sms page
		2	Input Phone Number	Success input and displayed on field

		3	Click “Kirim Kode Verifikasi	Send kode verifikasi to phone number
		5	Input Kode Verifikasi	Success input and displayed on field
		6	Input Kode Captcha	Success input and displayed on field
		7	Click button Login	1. Successfully login 2. Will direct to home page
	Login with unregistered number	1	Click “Login melalui SMS”	Will direct to login melalui sms page
		2	Input Phone Number	Success input and displayed on field
		3	Click “Kirim Kode Verifikasi	Send kode verifikasi to phone number
		5	Input Kode Verifikasi	
		6	Input Kode Captcha	
		7	Click button Login	Unsuccesfully login
	Login with invalid kode verikasi	1	Click “Login melalui SMS”	Will direct to login melalui sms page
		2	Input Phone Number	Success input and displayed on field

		3	Click “Kirim Kode Verifikasi	Send kode verifikasi to phone number
		5	Input Kode Verifikasi	Success input and displayed on field
		6	Input Kode Captcha	Success input and displayed on field
		7	Click button Login	Unsuccesfully login
	Login with invalid kode captcha	1	Click “Login melalui SMS”	Will direct to login melalui sms page
		2	Input Phone Number	Success input and displayed on field
		3	Click “Kirim Kode Verifikasi	Send kode verifikasi to phone number
		5	Input Kode Verifikasi	Success input and displayed on field
		6	Input Kode Captcha	Success input and displayed on field
		7	Click button Login	Unsuccesfully login
	Login with invalid format phone number	1	Click “Login melalui SMS”	Will direct to login melalui sms page
		2	Input Invalid format phone number	Success input and displayed on field

		3	Click “Kirim Kode Verifikasi	Send kode verifikasi to phone number
		5	Input Kode Verifikasi	Success input and displayed on field
		6	Input Kode Captcha	Success input and displayed on field
		7	Click button Login	Unsuccessfully login
As a user, I want to login via Shopee	Login with registered email and valid password	1	Click “Login melalui Shopee”	Will direct to login melalui shopee page
		2	Input registered email	Success input and displayed in field
		3	Input valid password	Success input and displayed on field
		4	Click Login button	1. Successfully login 2. Will direct to home page
	Login with registered email and invalid password	1	Click “Login melalui Shopee”	Will direct to login melalui shopee page
		2	Input registered email	Success input and displayed in field
		3	Input invalid password	Success input and displayed on field
		4	Click Login button	Unsuccessfully login

	Login with unregistered email and valid password	1	Click “Login melalui Shopee”	Will direct to login melalui shopee page
		2	Input unregistered email	Success input and displayed in field
		3	Input valid password	Success input and displayed on field
		4	Click Login button	Unsuccessfully login
	Login with unregistered email and invalid password	1	Click “Login melalui Shopee”	Will direct to login melalui shopee page
		2	Input unregistered email	Success input and displayed in field
		3	Input invalid password	Success input and displayed on field
		4	Click Login button	Unsuccessfully login
	Login with registered phone number and valid password	1	Click “Login melalui Shopee”	Will direct to login melalui shopee page
		2	Input registered phone number	Success input and displayed in field
		3	Input valid password	Success input and displayed on field
		4	Click Login button	1. Successfully login 2. Will direct to home page

	Login with registered phone number and invalid password	1	Click “Login melalui Shopee”	Will direct to login melalui shopee page
		2	Input registered phone number	Success input and displayed in field
		3	Input invalid password	Success input and displayed on field
		4	Click Login button	Unsuccessfully login
	Login with unregistered phone number and valid password	1	Click “Login melalui Shopee”	Will direct to login melalui shopee page
		2	Input unregistered phone number	Success input and displayed in field
		3	Input valid password	Success input and displayed on field
		4	Click Login button	Unsuccessfully login
	Login with unregistered phone number and invalid password	1	Click “Login melalui Shopee”	Will direct to login melalui shopee page
		2	Input unregistered phone number	Success input and displayed in field
		3	Input invalid password	Success input and displayed on field
		4	Click Login button	Unsuccessfully login
	Login with registered username and valid password	1	Click “Login melalui Shopee”	Will direct to login melalui shopee page
		2	Input registered username	Success input and displayed in field

		3	Input invalid password	Success input and displayed on field
		4	Click Login button	1. Successfully login 2. Will direct to home page
	Login with registered username and invalid password	1	Click “Login melalui Shopee”	Will direct to login melalui shopee page
		2	Input registered username	Success input and displayed in field
		3	Input invalid password	Success input and displayed on field
		4	Click Login button	Unsuccessfully login
	Login with unregistered username and valid password	1	Click “Login melalui Shopee”	Will direct to login melalui shopee page
		2	Input unregistered username	Success input and displayed in field
		3	Input valid password	Success input and displayed on field
		4	Click Login button	Unsuccessfully login
	Login with unregistered username and invalid password	1	Click “Login melalui Shopee”	Will direct to login melalui shopee page
		2	Input unregistered username	Success input and displayed in field
		3	Input invalid password	Success input and displayed on field
		4	Click Login button	Unsuccessfully login

As a user, I want to login via facebook	Login with facebook account	1	Click “Lanjutkan dengan Facebook”	Will direct to facebook login page
		2	Next	1. Successfully login 2. Will direct to home page
As a user, I forgot my password	Click forgot password	1	Click “Login melalui Shopee”	Will direct to login melalui shopee page
		2	Click “Forgot Password”	Will direct to forgot password page
As a user, I want register	Register user	1	Click “Login melalui Shopee”	Will direct to login melalui shopee page
		2	Click “Daftar”	Will direct to “daftar” page
As a user, I need guide	Click butuh bantuan	1	Click “Login melalui Shopee”	Will direct to login melalui shopee page
		2	Click “Butuh Bantuan”	Will direct to “Butuh Bantuan” page
As a user, I want to login alter	Click nanti saja	1	Click “Login melalui Shopee”	Will direct to login melalui shopee page
		2	Click “Nanti Saja”	Will direct to home page



2. Assuming that while you are doing some testing on the login page, you encountered issues.

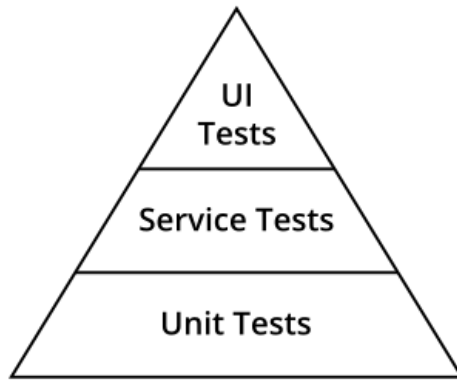
These issues are:

- When you press Login, nothing happened
- There is a missing “Lupa Password” button

How would you report these two issues? You are free to come up with different ways to report those issues based on your experience of writing defects.

Bug Description	How to Reproduce	Expected Result
As a user, I want to do login, but after click login button, there is nothing happened	1. Click “Login melalui Shopee” 2. Input registerd email 3. Input valid password 4. Click login button	1. Button clicked 2. Successfully login 3. Will direct to home page
As a user, I forgot my password, but “Lupa Password” button is missing	1. Click “Login melalui Shopee” 2. Click “Lupa Password” button	1. The button is located next to “butuh bantuan” button and below the password field 2. The button color is orange 3. Button can be clicked and direct to “Lupa Password” page

3. Describe about the given picture below :



- Layer 1 Unit Test usually done by developer, ensure function goes well and according to expectation or not. It is important to run a number of scenarios in unit tests – happy path, error handling, etc.
- Layer 2 Service Test is testing to ensure that the service is running well with each other.
- Layer 3 UI Test is testing interface graphical how the user interacts with the application and testing existing elements such as fonts, images, layouts, etc. Focus on the appearance of application.

4. What is API testing?

API testing is a test where we test a software directly using APIs. Tools that can be used is postman, jmeter, and others.

5. What are the common API testing types?

- Validation testing
- Functional testing
- Load testing
- Runtime/error detection
- Security testing

- Penetration testing
- UI testing

6. What must be checked when performing API testing?

- Accuracy of data
- Functionallity
- Response
- Status code
- Data type
- Validation
- Authorization