Group: Cari-Asisten (IF-41-INT02)

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Class User extends CI_Controller

cyclomatic complexity = E – N + 2

1. Method index()

V(G) = 5 – 6 + 2 = 1

Test Case Method:	Index
Test Case Description:	Load Homepage
Pre-Requisite:	NA
Post-Requisite:	NA

Step #	Action	Inputs	Expected Output	Actual Output	Test Result (Pass/Fail/Not Executed/Suspended)
1	Launch application	https://cari-asisten.telkomuniversity.ac.id	Opening Cari Asisten Homepage	Opening Cari Asisten Homepage	Pass

2. Method register()

V(G) = 3 – 4 + 2 = 1

Test Case Method:	Register
Test Case Description:	Load User Registration Page
Pre-Requisite:	NA
Post-Requisite:	NA

Step #	Action	Inputs	Expected Output	Actual Output	

					Test Result (Pass/Fail/Not Executed/Suspended)
1	load registration page by clicking "Registration" button		Opening registration page	Opening registration page	pass

3. Method register_student()

V(G) = 3 − 4 + 2 = 1

Test Case Method:	register_student()
Test Case Description:	Load page for student registration
Pre-Requisite:	NA
Post-Requisite:	NA

Step #	Action	Inputs	Expected Output	Actual Output	Test Result (Pass/Fail/Not Executed/Suspended)
1	load register_student page by clicking "Register as Student" button		Opening student registration page	Opening student registration page	pass

4. Method register_lecturer()

V(G) = 3 − 4 + 2 = 1

Test Case Method:	Register_lecturer()
Test Case Description:	Load Lecturer Registration Page
Pre-Requisite:	NA
Post-Requisite:	NA

Step #	Action	Inputs	Expected Output	Actual Output	Test Result (Pass/Fail/Not Executed/Suspended)

1	load register_lecturer page by clicking "Register as Lecturer" button		Opening lecturer registration page	Opening lecturer registration page	pass

5. Method login()

V(G) = 9 -10 + 2 = 1

Test Case Method:	login
Test Case Description:	Load page for student registration
Pre-Requisite:	NA
Post-Requisite:	NA

Step #	Action	Inputs	Expected Output	Actual Output	Test Result (Pass/Fail/Not Executed/Suspended)
1	load login page by clicking "login" button		Opening login page	Opening login page	pass

6. Method page_detail()

V(G) = 3 – 4 + 2 = 1

Test Case Method:	page_detail()
Test Case Description:	User wants to see the detail of announcement
Pre-Requisite:	Opening homepage of Cari Asisten
Post-Requisite:	NA

Step #	Action	Inputs	Expected Output	Actual Output	Test Result (Pass/Fail/Not Executed/Suspended)
1	Click button "View Post Detail"		User can access the announcement page detail	User can access the announcement page detail	Pass

7. Method createAccStudent()

V(G) = 8 – 9 + 2 = 1

Test Case Method:	createAccStudent()
Test Case Description:	User wants to create student account - Positive Test Case
Pre-Requisite:	Opening student registration page
Post-Requisite:	NA

Step #	Action	Inputs	Expected Output	Actual Output	Test Result (Pass/Fail/Not Executed/Susp ended)
1	Enter Full Name, NIM, Phone No with valid Email and Password	Full Name: Jane Doe	Register as student successful	Register as student successful	Pass
	and Click Button "Finish"	NIM: 1301171234			
		Email: jane_doe@student.telkomuni versity.ac.id			
		Password: Jane123			
		Phone No: 0811721192			

Test Case Method:	createAccStudent()
Test Case Description:	User wants to create student account - Negative test case
Pre-Requisite:	Opening student registration page
Post-Requisite:	NA

Step #	Action	Inputs	Expected Output	Actual Output	Test Result (Pass/Fail/Not Executed/Susp ended)
1	Make an array of Full Name, NIM, Phone No with valid Email and Password	Full Name: Jane Doe	Show Error Message: "Register Failed:	Show Error Message: "Register Failed:	Pass
	and Click Button "Finish"	NIM: 1301171234	Email already exists"	Email already exists"	

		Email: jane_doe@student.telkomuniversity.ac.id			
		Password: Jane123			
		Phone No: 0811721192			

8. Method createAccLecturer()

V(G) = 8 – 9 + 2 = 1

Test Case Method:	createAccLecturer()
Test Case Description:	User wants to create lecturer account - Positive test case
Pre-Requisite:	Opening lecturer registration page
Post-Requisite:	NA

Step #	Action	Inputs	Expected Output	Actual Output	Test Result (Pass/Fail/Not Executed/Suspended)
1	Enter Full Name, NIM, Phone No with valid Email and Password	Full Name: Ikazra	Upload Photo Page	Upload Photo Page	Pass
	and Click Button "Next"	NIM: 1301171234			
		Email: ikazra@lecturer.telkomuniversity.ac.id			
		Password: Ikazra123			
		Phone No: 08121245678			

Test Case Method:	createAccLecturer()
Test Case Description:	User wants to create lecturer account - Negative test case
Pre-Requisite:	Opening lecturer registration page
Post-Requisite:	NA

Step #	Action	Inputs	Expected Output	Actual Output	Test Result (Pass/Fail/Not

					Executed/Suspended)
1	Enter Full Name, NIM, Phone No with valid Email and Password	Full Name: Ikazra	Show Error Message: "Register Failed:	Show Error Message: "Register Failed:	Pass
	and Click Button "Next"	NIM: 1301171234	Email already exists"	Email already exists"	
		Email: ikazra@lecturer.telkomuniversity.ac.id			
		Password: Ikazra123			
		Phone No: 08121245678			

9. Method uploadPic()

V(G) = 0-1+2 = 1

Test Case Method:	uploadPic()
Test Case Description:	Showing the page for uploading picture
Pre-Requisite:	Filling info for lecturer registration
Post-Requisite:	NA

Step #	Action	Inputs	Expected Output	Actual Output	Test Result (Pass/Fail/Not Executed/Suspended)
1	Click "Next" button after filling lecturer information on lecturer registration page	Lecturer's info	Opening page for uploading profile picture	Opening page for uploading profile picture	Pass

10. Method uploadPic2()

V(G) = 5-5+2 = 2

Test Case Method:	uploadPic2()
Test Case Description:	Uploading picture for lecturer profile - Positive test case
Pre-Requisite:	Opening page upload picture
Post-Requisite:	NA

Step #	Action	Inputs			

			Expected Output	Actual Output	Test Result (Pass/Fail/Not Executed/Suspended)
1	Click "Choose File" button		Showing the file browser to choose picture	Showing the file browser to choose picture	Pass
2	Choosing the file that wants to be uploaded and click "Upload " button	Picture	File is successfully uploaded into database	File is successfully uploaded into database	Pass

Test Case Method:	uploadPic2()
Test Case Description:	Uploading picture for lecturer profile - Negative test case
Pre-Requisite:	Opening page upload picture
Post-Requisite:	NA

Step #	Action	Inputs	Expected Output	Actual Output	Test Result (Pass/Fail/Not Executed/Suspended)
1	Click "Choose File" button to open file browser		Showing the file browser to choose picture	Showing the file browser to choose picture	Pass
2	Not choosing a file and click "Upload" button	(empty)	Should choose a JPG or PNG file	Empty input is uploaded into database	Fail
3	Choosing the file that wants to be uploaded and click "Upload" button	PDF File	File can't be chosen. Only JPG or PNG file can be chosen.	A file is chosen and uploaded into database	Fail

11. Method login_user()

V(G) = 12-9+2 = 5

Test Case Method:	login_user()
Test Case Description:	Signing in with an account - Positive test case
Pre-Requisite:	User has created an account
Post-Requisite:	NA

Step #	Action	Inputs	Expected Output	Actual Output	Test Result (Pass/Fail/Not Executed/Susper
1	Enter correct email & password for lecturer and click "Sign In"	Email: Password: 123	Successfully logged in as lecturer and opening homepage for lecturer	Successfully logged in as lecturer and opening homepage for lecturer	Pass
2	Enter correct email & password for student and click "Sign In"	Email: jane_doe@student.telkomuniversity.ac.id Password: 123	Successfully logged in as student and opening homepage for student	Successfully logged in as student and opening homepage for student	Pass
3	Enter correct email & password for admin and click "Sign In"	Email: lebah_ganteng@admin.telkomuniversity.ac.id Password: 123	Successfully logged in as admin and opening homepage for admin	Successfully logged in as admin and opening homepage for admin	Pass

Test Case Method:	login_user()
Test Case Description:	Signing in with an account - Negative test case
Pre-Requisite:	NA
Post-Requisite:	NA

Step #	Action	Inputs	Expected Output	Actual Output	Test Result (Pass/Fail/Not Executed/Suspended)
1	Enter invalid email & password	Email: oemji@lecturer.telkomuniversity.ac.id Password: 123	Email and password don't match.	Email and password don't match.	Pass

	and click "Sign In"			Failed to login.	Failed to login.	

12. Method logout()

V(G) = 1 -2 + 2 = 1

Test Case Method:	logout
Test Case Description:	User wants to logout from his/her account
Pre-Requisite:	User is logged in
Post-Requisite:	NA

Step #	Action	Inputs	Expected Output	Actual Output	Test Result (Pass/Fail/Not Executed/Suspended)
1	click "logout" button		Account is logged out and opening home page	Account is logged out and opening home page	pass