Lab4 Report

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1 Test Plan

1.1 Summary/Scope

The system to be tested for this lab is KeystoneJS, an open source

framework for developing database-driven websites, applications and APIs in Node.js. KeystoneJS makes it easy to create sophisticated web sites and apps, and comes with a beautiful auto-generated Admin UI. require to only 12 features. Design one or more test cases for the selected

features, and

test

design at least 9 test cases

1.2 Features to be tested

- 1.2.1 Create a post on the Admin UI page
- 1.2.2 Edit a post on the Admin UI page
- 1.2.3 Delete a post on the Admin UI page
- 1.2.4 Search posts by keyword on the Admin UI page
- 1.2.5 Create a comment on Admin UI page
- 1.2.6 Edit a comment on Admin UI page
- 1.2.7 Delete a comment on Admin UI page
- 1.2.8 Create a category on Admin UI page
- 1.2.9 Show posts of the specific category by pressing category name on the "Blog" page
- 1.2.10 Create an enquiry on the "Contact" page
- 1.2.11 Delete an enquiry on Admin UI page
- 1.2.12 Create a new user on Admin UI page (Name, Email, Phone, and Password must be set when creating the new user)

1.3 Success criteria of completing the test

All test cases designed for the selected features must pass.

- 1.4 Test environment and/or infrastructure
- 1.4.1 Windows
- **1.4.2** chrome
- 1.4.3 Python selenium 4.9.1
- 1.4.4 python3.10.7
- 1.5 Test approaches
- 1.5.1 Using ISP to design test cases for each feature to be tested.
 - 1.5.2 Using Basis Path Coverage.
 - 1.5.3 Using python selenium and pytest perform the test.

1.6 Test approaches

No.	Activity Name	Plan hours	Schedule Date
1	Complete run	0.5	2023/05/18
	KeystoneJS		
	application on		
	Docker.		
2	Learn Selenium	1	2023/05/19
	with Python		
3	Design test cases	3	2023/05/20
	for the		
	selected feature		
4	Implement test	3	2023/05/22
	cases and Lab		
	Report		

2 Test Design

Test Case ID	Test Case Name	Pre-Test Setup	Test Steps	Test Data	Coverage Criteria	Expected Results	Post Tear-Down	Comments
TC-001	test_casste_x	Keystone/S is running Have a chrome browser opened at home page of Keystone/S	1. Gone to Legion paper using UNL-ried 2. Legion a Admit using Distances and Spanovord 3. Select the America "Cool" The Cool of Coo	Smithup, U27.0.0.1.3000" Smithum "rigidity trings, com" Spieswoods "g12345139" Spieswood, confirms "g12345139" fiftst_mame"\",last_mane"\"\"		A new time is consided with contact facelisme, Laciforne, Email, New Passwood, Confirmities description of Any incomest input will be catched and a meaningful enter messages will be pumpted.	None	None
TC-002	test_createp out	Keystone/S is running Have a circome browser opened at home page of Keystone/S	1. Goto to Legicia page saing (VIL-field Legicia Admin unit glassmann and Spauroved 3. Select the Anteniar Port 4. Chemis a sare port 5. Educe the post of the simple field 6. Child create below 6. Child create 6. Chi	State Harp #127.0.8.13000" Summarse "demo Bits ystempic com" Spannerder "demo Bits ystempic com" State - (mil. BLANK_SPACE, sping of NORMAL_LENGTH, sping of MAN_LENGTH, strang with musel classation, digits, and symbols)	Use Each Choice criterion for Stitle Use Basis Path Coverage for the paths related to Post	A new post is created with correct post title and message. Any incorrect input will be catched and a meaningful error messages will be prompted. The rendering of all pages are collected according to specifications.	None	None
TC-003	test_BildFost	Keystone/S is running Have a circome browser opened at home page of Keystone/S	L Grow to Legispia page using VILL-field L Legispia a Admin using Baranasa and Spanovord 3. Solest the Anterior Ford 4. Edit proof 4. Solest the Anterior Tord 5. Solest the status of open using Legispia 5. Solest the status of open using Legispia 6. Solest the post or allowed usong Legispia 6. Solest the sport and usong Markot 6. Solest the Sport and usong Legispia 6. Solest the Sport and usong Markot 6. Solest the Sport and usong 6. Solest 6. Sol	Sude 'Imp. (17.0 in 1,000)" [Summare 'Amerika Sude 'Imp. (17.0 in 1,000)" [Summare Charl Adhibited Achieved] Sumber (Genta Adhibited Achieved) Sumber (Genta Adhibited Achieved) [Sumber (Genta Adhibited Achieved] Sumber (Genta Adhibited Achieved) Sumber (Genta Adhibited Achieved) Sumber (Genta Adhibited Achieved)		A post is Edit with consect state, author, baid and extended. Any incomet input will be catched and a meaningful entre messages will be pumpted.	None	None

details of the design are given below:

https://course.selab.ml/stv-

gitlab/111598027/GeoProject/blob/master/LabReport/Lab4/Lab4 testcase1.xlsx

3 Test Implementation

Test Case ID	Test Case Name	Source Test Code
TC-002	test_createpost	def test_CreatePost(): chrome.get("http://127.0.0.1:3000/keystone/signin") chrome.find_element(by=By.NAWE, value="emoil").send_keys('demo@keystonejs.com') chrome.find_element(by=By.CLASS_MAWE, value="password").send_keys('demo") chrome.find_element(by=By.CLASS_MAWE, value="css-2960tt").click() time.sleep(1) chrome.find_element(by=By.CLASS_MAME, value="css-b629qq").click() time.sleep(1) chrome.find_element(by=By.CLASS_MAME, value="css-b629qq").click() time.sleep(1) chrome.find_element(by=By.CLASS_MAME, value="name").send_keys("testing") chrome.find_element(by=By.CLASS_MAME, value="css-b629qq").click() #重新場局post目面 chrome.get('http://127.0.0.1:3000/keystone/posts') post_list = chrome.find_element(by=By.CLASS_NAWE, value="Table").text assert 'testing' in post_list chrome.close()

The design of test cases specified in Section 2 was implemented using python selenium. The test scripts of 1 selected test case are given below and the others is in the gitlab.

4 Test Result

```
DevTools listening on ws://127.0.0.1:62671/devtools/browser/f5293a30-8a84-4110-a444-f3d5b4b849f8
[27441-26044-0521/031725.50] ERROR:page_load_metrics_update_dispatcher.cc(178)] Invalid first_paint 0.457 s for first_image_paint 0.454 s [27444-26044-0521/031725.50] ERROR:page_load_metrics_update_dispatcher.cc(178)] Invalid first_paint 0.457 s for first_image_paint 0.454 s [27444-26044-0521/031725.50] ERROR:page_load_metrics_update_dispatcher.cc(178)] Invalid first_paint 0.457 s for first_image_paint 0.454 s [27444-26044-0521/031725.50] ERROR:page_load_metrics_update_dispatcher.cc(178)] Invalid first_paint 0.457 s for first_image_paint 0.454 s [27444-26044-0521/031725.50] ERROR:page_load_metrics_update_dispatcher.cc(178)] Invalid first_paint 0.457 s for first_image_paint 0.454 s [27444-26044-0521/031725.50] ERROR:page_load_metrics_update_dispatcher.cc(178)] Invalid first_paint 0.457 s for first_image_paint 0.454 s [27444-26044-0521/031725.50] ERROR:page_load_metrics_update_dispatcher.cc(178)] Invalid first_paint 0.457 s for first_image_paint 0.454 s [27444-26044-0521/031725.60] ERROR:page_load_metrics_update_dispatcher.cc(178)] Invalid first_paint 0.457 s for first_image_paint 0.454 s [27444-26044-0521/031725.60] ERROR:page_load_metrics_update_dispatcher.cc(178)] Invalid first_paint 0.457 s for first_image_paint 0.454 s [27444-26044-0521/031725.60] ERROR:page_load_metrics_update_dispatcher.cc(178)] Invalid first_paint 0.457 s for first_image_paint 0.454 s [27444-26044-0521/031725.60] ERROR:page_load_metrics_update_dispatcher.cc(178)] Invalid first_paint 0.457 s for first_image_paint 0.454 s [27444-26044-0521/031725.60] ERROR:page_load_metrics_update_dispatcher.cc(178)] Invalid first_paint 0.457 s for first_image_paint 0.454 s [27444-26044-0521/031725.60] ERROR:page_load_metrics_update_dispatcher.cc(178)] Invalid first_paint 0.457 s for first_image_paint 0.454 s [27444-26044-0521/031725.60] ERROR:page_load_metrics_update_dispatcher.cc(178)] Invalid first_paint 0.457 s for first_image_paint 0.454 s [27444-26044-052
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