Lab 4 Report

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1　Test Plan

1.1　Summary

The system to be tested for this lab is Keystone. Keystone helps you build faster and scale further than any other CMS or App Framework. You can simply describe your schema, and get a powerful GraphQL API & beautiful Management UI for content and data.

1.2　Features to be tested

The features listed below are the test cases accomplished in this lab:

(1) Post Features
- Create a post on the Admin UI page
- Search posts by keyword on the Admin UI page
- Delete a post on the Admin UI page

(2) Comment Features
- Create a comment on Admin UI page
- Delete a comment on Admin UI page

(3) Category Features
- Create a category on Admin UI page
- Delete a category on Admin UI page

(4) Enquiry Features
- Create an enquiry on the "Contact" page
- Delete an enquiry on Admin UI page

1.3 Success criteria for completing the test

Bugs will be rated according to their severity. The feature of lab4 has the following severity classes:

Priority	Requirement
High	Average less than 2 unresolved bugs with severity **Minor** /module. Not over 5 unresolved bugs/module.
Medium	Same as above, but can contain less than average 1 unresolved bugs of severity **Normal**/module.
Low	No unresolved bugs with severity **Serious**. Not more than 5 unresolved bugs/module.

1.4 Test environment and infrastructure

- Hardware: Macbook Air M2
- Software: Chrome, Selenium, Robot Framework, VSCode
- Test Data: KeystoneJS and personal generated fake data

1.5 Test approaches

This lab uses "user scenarios" and "ISP" to design test case, and measure test coverage if there is enough free time. This lab uses Selenium CLI as the test tools, and use multiple testing techniques to ensure that all the test requirements can be satisfied and the goals of the test can be achieved.

1.6 Testing Tasks

To implement the proposed strategy, the following activities are planned to perform.

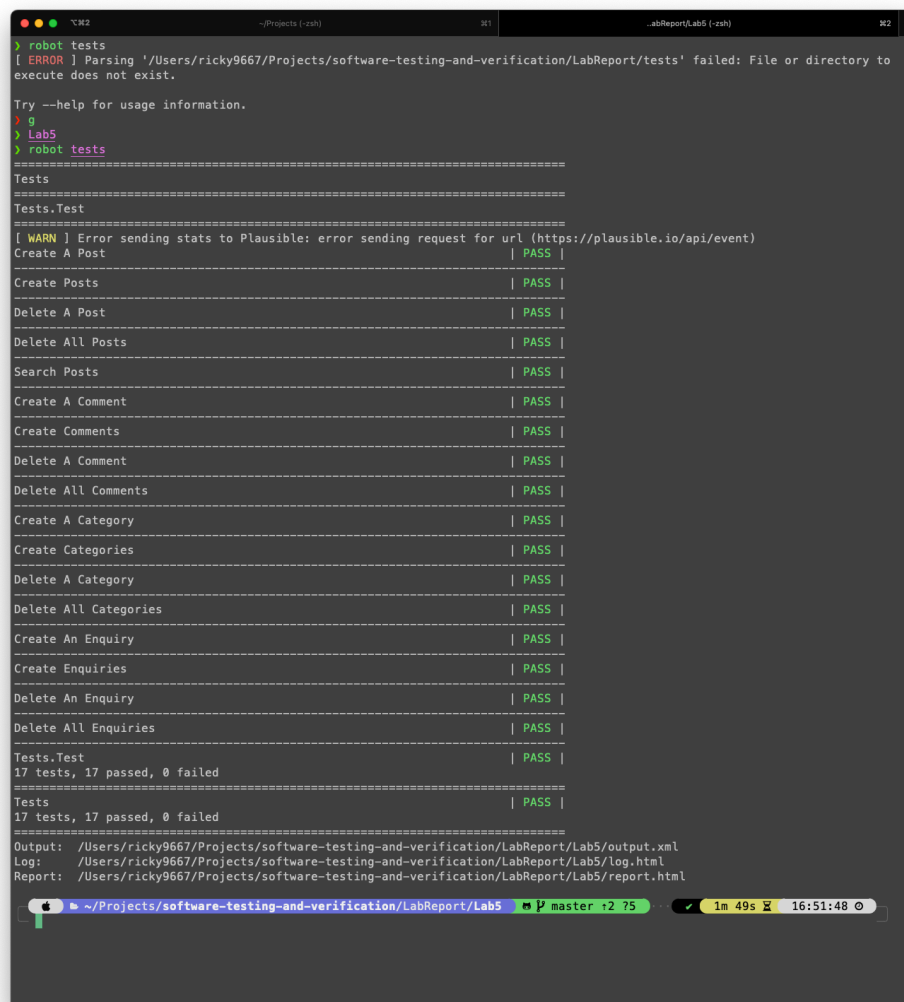| No.	Activity Name	Plan hours	Schedule Date
1	Learn and use Keystone	2	5/27
2	Study Robot Framework	10	5/28
3	Design test cases for the selected methods	20	5/29
4	Implement and perform test cases	20	5/31
5	Complete Lab5 report	3	6/1

2 Test Design

Refer to **Software Testing Lab5.xlsx** in the same folder.

3 Test Implementation

Refer to **tests.robot** in the `tests` folder.

4 Test Results