QA engineer Technical Assessment – Kevin Addison

# part 1 – BUG REPORT

Based on the Business requirement below please provide 2 test case examples that you will use during your

Software testing

*User story:*

As a housekeeping manager I need to set the priority on cleaning and maintenance tasks to ensure urgent tasks

is completed 1st

*Business requirement*

There needs to be a selection of 3 priority labels from a dropdown list next to every maintenance task that is

created.

Priority to include

● High

● Medium

● Low

All the items with a high priority needs to be grouped at the top of the list and marked in red

The next category needs to be medium followed by low that will then be displayed at the bottom of the list

**Test 1**

Scenario – Housekeeping Manager sets a high priority task and Validates that the task is grouped at the top of the list and marked in red

Prerequisites – A list of tasks (at least 3) must have been created and have no priority set prior to the test.

* A housekeeping manage account has been created and can access the cleaning and maintenance tasks page.

Steps

1. Login to the RoomRacoon site as a Housekeeping manager and navigate to the maintenance task page
2. Validate that there are at least 3 unprioritized tasks available
3. Select a task from the list available and validate that there is a drop down list containing 3 priority labels – High, Medium and Low available for selection
4. Select the High priority for the task selected and validate that this priority has been correctly set.
5. Validate that the list has been reordered with the high priority task set in step 4 at the top of the list and marked in red.

**Test 2**

Scenario – A housekeeping manager sets a high/medium task to low and validates that the task list is reordered.

Prerequisites – A list of tasks (at least 3) must have been created and have varied priorities set prior to the test.

* A housekeeping manage account has been created and can access the cleaning and maintenance tasks page.

Steps

1. Login to the RoomRacoon site as a Housekeeping manager and navigate to the maintenance task page
2. Validate that there are at least 3 tasks available with varied priorities
3. Select a task from the list with a High priority and validate that there is a drop down list containing priority labels – Medium and Low available for selection
4. Select the Low priority for the task selected and validate that this priority has been correctly set.
5. Validate that the list has been reordered with the Low priority task set in step 4 at the bottom of the list and not marked in red.

# Part 2 - General Knowledge

**1. Which of the following is not a valid phase of SDLC (Software Development Life Cycle)?**

a. Testing Phase

b. Requirement Phase

c. Deployment Phase

d. Testing closure

**2. 2. What are the different levels of Testing?**

a. Integration testing

b. Unit testing

c. System testing

d. All of the above

**3. 3. Which of the below is not a part of the Test Plan?**

a. Schedule

b. Risk

c. Incident reports

d. Entry and exit criteria

**4. 6. Which of the below testing is executed without documentation and planning is known as?**

a. Regression Testing

b. Adhoc Testing

c. Unit testing

d. None of the above

# Part 3 - MySQL Exercise

Context:

You have two tables: students and courses. The students table has columns student\_id (integer), student\_name (varchar),

and course\_id (integer). The courses table has columns course\_id (integer) and course\_name (varchar).

Question:

Write a SQL query to retrieve the names of students along with the names of the courses they are enrolled in.

Brownie points for:

● Correct Syntax

● Visual presentation

● Sort description of the query

Select s.student\_name, c.course\_name

From students s

JOIN cources c on s.course\_id = c.course\_id Group by s.stundent\_name;

# Part 5 - API Testing

At RoomRaccoon we utilise many API endpoints to connect and build many of the product's internal/external

connectivities and functionality.

Using the following endpoint:

http://universities.hipolabs.com/search

● Use Postman to retrieve the list of all universities in South Africa

○ Hint: query parameter key = country

○ provide a screenshot of the result as your answer.

A screenshot of a computer

Description automatically generated

Use the Postman "Tests" feature to validate whether the Name: "University of Stellenbosch" exists in the response

○ provide a screenshot of the result as your answer.

- script has also been attached as part of the zip file

A screenshot of a computer

Description automatically generated