



# Task

## Software Tester (QA)

# OVERVIEW

We appreciate your interest in the Software Tester Position (QA) and believe that you have the skills and experience needed to succeed in this role. We only sent this task to candidates that we believe might be a good fit for this position, and we look forward to the opportunity to discuss this assignment further with you.

## Evaluation Criteria:

1. Adherence to the requirements, specifications, and instructions.
2. Test Coverage.
3. Bug Report.
4. Technical Documentation quality, readability, and maintainability.

The deadline for this assignment is 3 days.

## **TASK:**

In this assignment, you will be provided with a set of simplified User Stories that outline the features and functionalities of an Appointment Module. Your primary tasks will be:

1. **Test Plan Creation:** Based on the User Stories, create a comprehensive test plan that outlines the test cases, testing methods, and the expected outcomes. This should cover both functional and non-functional requirements.
2. **Bug Reporting:** You will be given access to the API endpoints of the Appointment Module, which may contain some hidden bugs. Your task is to identify these bugs and report them in a structured manner.
3. **Performance Test Report.**

## **Expectations:**

1. **Attention to Detail:** Ensure that all edge cases are covered in your test plans.
2. **Documentation:** All findings should be well-documented. This includes the test plans, bug reports, and any recommendations for improvement.
3. **Perform API testing.**
4. **Perform a performance and load test using Apache JMeter and submit a test report.**

## **Appointment Module User Stories:**

### **A- Manage Services, As an Employee:**

1. I want to add/edit/view/delete services like haircut, home renewal, car renting.
2. I want to specify their availability and services they can provide.

- **Acceptance Criteria:**

- a. Add services
- b. Display a success message and redirect to the resource list page.
- c. View all services in a list.
- d. Click on a service to view its profile and statistics.
- e. Define service name, price, and duration.

### **B- Manage Resource, As an Employee:**

1. I want to add/edit/view/delete resources like individuals, vehicles, etc.
2. I want to specify their availability and services they can provide.

- **Acceptance Criteria:**

- a. Associate resources with specific services from a predefined list.
- b. Display a success message and redirect to the resource list page.
- c. View all resources in a list.
- d. Click on a resource to view its profile and statistics.
- e. Define resource name, services, and availability.
- f. Specify maximum time for reserving a resource.
- g. If a resource duration is empty, by default it will get the service duration time.

### **C- Book Online Appointment, As a Contact,**

1. I want to book appointments online with available resources.

- **Acceptance Criteria:**

- a. Use an online booking link to add new appointments.
- b. View and select available services and resources.
- c. Choose a suitable time slot or specify start and end days.
- d. Display the price of the selected service.
- e. Complete personal information and save the appointment.
- f. Display a success message and a unique reservation number.

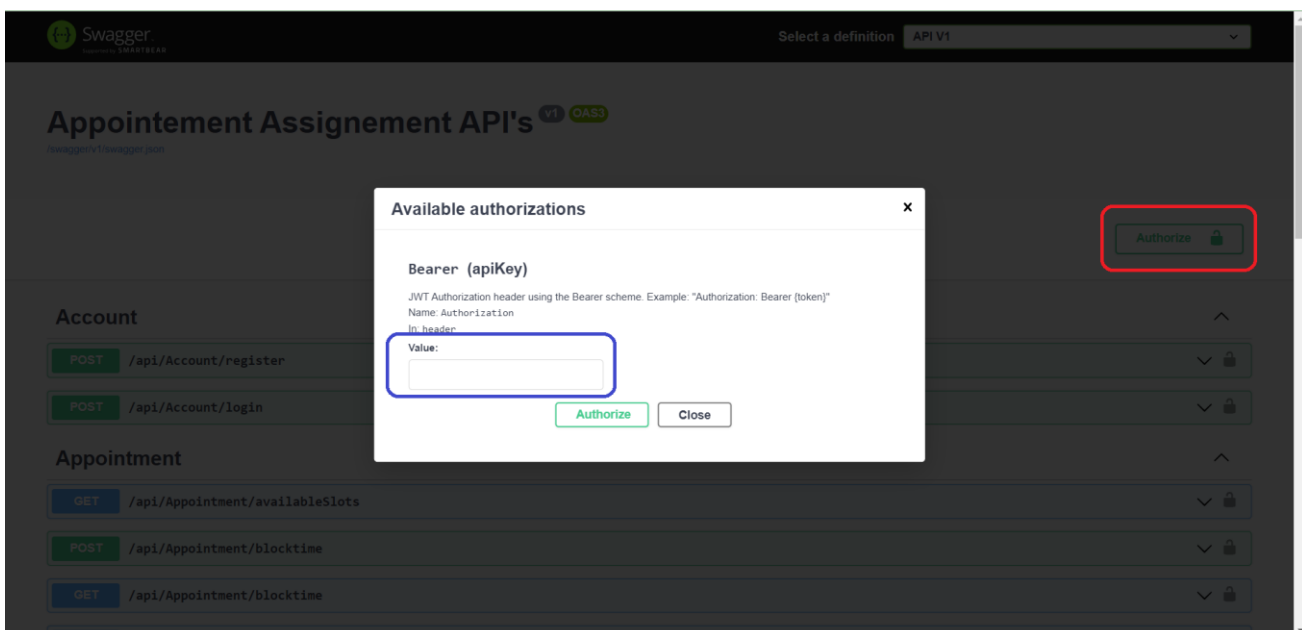
g. Add multiple appointments.

#### D- Manage Block Time, As an Employee,

- I want to block specific times or days when a resource is unavailable.
- Acceptance Criteria:
  - a. Add block time for cancel one or multiple resources.
  - b. Once I have added a block time for a resource, no one can book an appointment during that block time.
  - c. Option to or reschedule existing appointments during block time.
  - d. View all existing time blocks.

#### Testing Process:

1. Navigate to [API Link](#).
2. Register an account using your own email Under Account/Register endpoint.
3. Use the login endpoint to login and obtain a token so you can start testing.
4. Use the token to authorize swagger, before entering the value to swagger add a prefix to it like this: Bearer \$APIKEYVALUE
  - a. For example, if the token value was: 123435564664664
    - i. add it like this in the blue value box: Bearer 123435564664664



**Send your submission via email. Include all necessary files. Additionally, provide a link to a presentation video that showcases your work.**

**In the presentation video, Detail what you did in terms of test plan and test cases, test results and bugs found and any additional work you have completed. Your clear articulation of your Quality assurance work will be essential in the evaluation process.**

**GOOD LUCK**