📄 Take Home Test – QA Automation Engineer

🧪 Objective

This assessment evaluates your ability to write clear, executable test cases and implement them using robust automation frameworks. You will work on both **web and mobile platforms** using **Python**, **Selenium**, **Appium**, and **Pytest**.

✏️ General Instructions

- All tasks must be automated using **Python** and **Pytest**.

- Use **Selenium** for web automation and **Appium** for mobile automation.

- Ensure your automation frameworks are structured **consistently** between platforms.

- Implement proper **assertions** in your test scripts.

- **Integrate Allure Reporting** in both web and mobile automation.

- Store your completed work in a **GitHub repository**.

- Submit the **GitHub repository link** along with your **manual test case sheet**.

📑 Task Overview

You are required to complete the tasks in **two phases**:

✅ Phase 1 – Manual Test Case Design

Before writing any automation scripts, you must first design manual test cases for the following scenarios:

Web Test Cases (eSuite Web)

- Login to eSuite

- Create a new company

- Verify that the created company's data matches the input in the detail view

Mobile Test Cases (eWork Mobile App)

- Login using the newly created company credentials

- Create a customer

Test Case Format:
 Submit in **Google Sheet or Excel format** and include the following fields:

- Test Case ID

- Title / Description

- Precondition

- Test Steps

- Expected Result

- Status (Pass/Fail – leave blank for now)

✅ Phase 2 – Automation Implementation

After finalizing your test cases, proceed with automation implementation for both platforms using **Pytest** and **Allure Reporting**.

🔹 Web Automation (Selenium + Pytest)

🔗 Target Site

- **URL:** https://esuite.edot.id

- **Credentials:**

  - Email: `it.qa@edot.id`

  - Password: `it.QA2025`

📌 **Scenarios to Automate**

1. **Login to eSuite**

   - Assert successful login (e.g., redirect to dashboard or welcome message)

2. **Create New Company**

   - Use dummy data (e.g., via `Faker` or hardcoded inputs)

3. **Verify Company Detail**

   - Ensure that the company data matches the input

4. ✅ **Allure Reporting Required**

   - All web test executions must include **Allure report generation**

🔹 Mobile Automation (Appium + Pytest)

📱 **App Access**

- Download via **Google PlayStore**

- **APK Name:** `ework - SFA`

🔐 **Credentials**

(Use the company created during Web automation)

- **Company ID:** `5049209`

- **Email:** `qatestsalesman`

- **Password:** `it.QA2025`

📌 **Scenarios to Automate**

1. **Login to Mobile App**

   ○ Assert successful login (e.g., dashboard is displayed)

2. **Create Customer**

   ○ Input customer data and validate it appears correctly after creation

3. ✅ **Allure Reporting Required**

   ○ All mobile test executions must include **Allure report generation**

📦 Deliverables

1. **Manual Test Case Document** (Google Sheet / Excel)

   ○ Include test scenarios for both web and mobile

   ○ Include your **GitHub repository link**

2. **GitHub Repository**

   ○ Clean and modular project structure

   ○ Web automation code (Selenium + Pytest)

   ○ Mobile automation code (Appium + Pytest)

   ○ **Allure Reporting** setup and documentation

   ○ `README.md` with clear setup and run instructions

⏳ Submission Deadline

- **3 days after receiving this assignment**