Introduction

The following assignment is to be performed on the QA environment for the Business Grants Portal (BGP). It is accessible publicly through the following URL: https://bgp-qa.gds-gov.tech

When prompted, input the following details to access the portal: public / Let$BeC001

Before starting, please carefully read through the introduction below for an overview of the system.

The Business Grants Portal is a one-stop portal for businesses to apply for grants according to their needs without having to approach multiple agencies.

A typical grant Application process is described as follows:

1) Log into BGP with CorpPass. (*For the purposes of this assignment, use 'Login with your own user' – NRIC: S1234567A, Name: Tan Ah Kow, UEN: BGPQEDEMO, Role: Acceptor*)
2) Select 'Get New Grant' on the 'My Grants' dashboard to enter the Grant Picker.
3) Select a Sector (e.g IT) for your business.
4) Select a Development Area (e.g Bring my business overseas).
5) Select a Functional Area (e.g Market Readiness Assistance).
6) A draft form for the Grant should be created, click Proceed to enter the form.
7) A form typically consists of 6 sections:
    1) Eligibility
    2) Contact Details
    3) Proposal
    4) Business Impact
    5) Cost
    6) Declare and Review
8) Once all mandatory fields (marked with an asterisk *) are filled, Applicants can review their form in a read-only page.
9) After reviewing their form, the Applicant should be able to successfully submit the form which will generate a unique Reference ID for their reference.

One of the flagship grants being offered on BGP is the Market Readiness Assistance (MRA) grant. **This grant is offered for <u>any available Sector</u> through the International Expansion option – 'Bring my business overseas' – 'Market Readiness Assistance'.**

The following User Stories with Acceptance Criteria (ACs) were previously written for the development of the MRA form.

Your task is to design and automate test scenarios for these stories to the best of your ability.

This assignment aims to assess your test design thinking as well as technical test automation skill. You are encouraged to come up with creative ways to demonstrate your knowledge and experience. Coming up with additional scenarios (e.g negative paths) beyond the ACs through exploratory testing is also a bonus.

You may use any test automation framework of your choice and submit your scripts and test report **<u>via the forms.sg link provided</u>**. Clear instructions to run the tests and documentation/justifications of your work will also be helpful.

User Story 1 – Eligibility Section

As an Applicant, I should be able to answer a set of Yes/No Eligibility questions in the Eligibility page.

AC 1: The section should contain 4 questions:

1) Is the applicant registered in Singapore?
2) Is the applicant's group sales turnover less than or equal to S$100m or is the applicant's group employment size less than or equal to 200?
3) Does the applicant have at least 30% local equity?
4) Are all the following statements true for this project? *
   - The applicant has not started work on this project
   - The applicant has not made any payment to any supplier, vendor, or third party prior to applying for this grant
   - The applicant has not signed any contractual agreement with any supplier, vendor, or third party prior to applying for this grant

AC 2: Each question can be answered Yes or No through radio buttons.

AC 3: Answering No for any of the questions should display a warning message 'Visit Smart Advisor on the SME Portal for more information on other government assistance.'

AC 4: Clicking the link in the warning message in AC 3 will launch a website in another window tab to the url: https://www.smeportal.sg/content/smeportal/en/moneymatters.html#saText

AC 5: Clicking 'Save' will save the Applicant's inputs and refreshing the page should reload the saved values.

User Story 2 – Contact Details Section

As an Applicant, I should be able to input values for the Main Contact Person and Letter of Offeree in the Contact Details page.

AC 1: The page contains a 'Main Contact Person' subsection with the following inputs:

- Name
- Job Title
- Contact No
- Email
- Alternate Contact Person's Email
- Mailing Address

AC 2: The Mailing Address input should be able to take in a valid postal code which auto-populates the 'Blk/Hse No.' and 'Street details' from an external API (One-map).

AC 3: Alternatively, there should be a checkbox 'Same as registered address in Company Profile' which will auto-populate Mailing Address details from the Applicant's Company Profile.

AC 4: The page also contains a 'Letter of Offer Addressee' subsection with the following inputs:

- Name
- Job Title
- Email

AC 5: There should be an option ' Same as main contact person' which will populate the subsection in AC 4 with details from the 'Main Contact Person' in AC 1.

AC 6: Clicking 'Save' will save the Applicant's inputs and refreshing the page should reload the saved values.

User Story 3 (EPIC) – Form Submission

As an Applicant, after filling up all mandatory fields in all form sections, I should be able to review and then submit my Grant Application.

AC 1: Upon filling all mandatory inputs in all 6 form sections and clicking the 'Review' button in the 'Declare and Review' section, the Applicant should be taken to a read-only summary page.

AC 2: If there are any mandatory inputs missing, a validation error should trigger and the form should redirect to the section with the missing details. An error number should also be shown in the sidebar next to the offending section.

AC 3: The read-only summary page should correctly contain all the details previously filled in each form section.

AC 4: At the bottom of the read-only summary page is a final 'Consent and Acknowledgement' checkbox.

AC 5: Once checked, the Applicant can submit the entire Application and a Success message box should be shown. The Success message box should contain an Application Ref ID and Agency details should display the receiving Agency as 'Enterprise Singapore'.

AC 6: Upon submission, the main 'My Grants' dashboard should show the Application under the 'Processing' tab.