Title: Proposal for Software Testing Project on CGI Visa Schedule Application

Introduction:
The purpose of this project is to apply testing methodologies and techniques learned in the course to a real-world software system. The selected system for this project is the CGI Visa Schedule Application, a widely used web-based platform that manages visa appointment scheduling for various embassies and consulates worldwide.

Scope: The testing activities will cover the main features of the system, including user registration, login, appointment scheduling, payment processing, and notifications.

Testing Techniques: The plan will incorporate Unit Testing, Exploratory Testing, Specification Testing, Boundary Testing, and Equivalence Testing to cover different aspects of the software quality assurance process.

Chosen Software System:

- **Name of the System**: CGI Visa Schedule Application

- **Type of System**: Web-based application

- **Purpose of the System**: The CGI Visa Schedule Application facilitates visa appointment scheduling, allowing users to create profiles, select appointment dates, and manage their application details.

Reasons for Selection:

- **Complexity**: The system's multi-component structure, including user authentication, calendar management, and secure data handling, provides a robust environment for thorough testing.

- **Relevance**: Testing a system with global implications aligns with the need for expertise in secure and scalable web applications.

- **Accessibility**: The web-based nature of the system ensures easy access for testing from various locations and devices.

Testing Objectives:

- Identify critical bugs, particularly those affecting user experience or security.

- Verify that the software meets functional requirements for visa scheduling.

- Assess the system's performance and usability under various conditions.

Proposed Testing Techniques:

- **Unit Testing**: Evaluate individual components like user authentication, scheduling logic, and data validation.

- **Boundary Testing:** Focuses on testing values at the boundaries of input ranges.

- **Equivalence Testing:** Involves partitioning inputs into groups where all elements are expected to behave similarly**.**

- **Functional Testing**: Validate that the application performs as expected across all functional areas, including appointment scheduling, user management, and data handling.

- **Specification Testing:** Ensures that the application meets documented requirements.

Expected Outcomes:

- A comprehensive report identifying bugs, vulnerabilities, and areas for improvement.

- A detailed assessment of the system's functional integrity.

- Performance analysis under simulated high-traffic conditions.

- Recommendations for enhancing system security, performance, and user experience.

1. Boundary Value Testing

1. Password Input Field

Boundary Value Testing focuses on testing the edges of input ranges, ensuring that the application handles both expected and edge-case values effectively.

Test Case ID	TC-BVT-001		
Component	Password Input Field		
Purpose of Test Case	To check the lower boundary for password length.		
Functional Test Type	Boundary Value Testing		
Pre-Condition	The application login page is loaded.		
Inputs	Password = 7 characters		
Expected Outputs	Error message: "Password must be at least 8 characters."		
Post-Condition	Error message displayed; login prevented.		
Execution History	Date	Result	Tester
	10/21/2024	Pass	Ruchitha Paccha

Apply for a U.S. Visa

Terms and Conditions:

- All fees paid are non-refundable.

- A visa does not guarantee entry into the U.S.

- A visa allows a foreign citizen coming from abroad, to travel to the United States port-of-entry and request permission to enter the U.S.

- Permission to enter can only be given by a Department of Homeland Security (DHS), Customs and Border Protection (CBP) official.

- You may not enter the U.S. with an expired visa. The visa must be valid at the time you enter the U.S.

User Details

Username*

ruchitha

New Password*

8-16 characters, containing 3 out of 4 of the following: Lowercase characters, uppercase characters, digits (0-9), and one or more of the following symbols: @ # $ % ^ & * - _ + = [ ] { } | \ : ' , ? / ` ~ " ( ) ; .

••••

Confirm New Password*

The password entry fields do not match. Please enter the same password in both fields and try again.

••••

Verification is necessary. Please click Send Verification Code button.

Email Address*

2.Password Input Field for upper filed

Test Case ID	TC-BVT-002
Component	Password Input Field
Purpose of Test Case	To check the upper boundary for password length.
Functional Test Type	Boundary Value Testing
Pre-Condition	The system requires a password that is 8 to 16 characters long and meets specific complexity requirements (combining at least 3 out of 4 categories: lowercase letters, uppercase letters, digits, and special characters). The user is on the "User Details" page with access to the password field.
Inputs	Password = 20 characters
Expected Outputs	An error message should be displayed indicating that the password exceeds the maximum length of 16 characters, and the user should not be able to proceed
Post-Condition	The user cannot proceed until a valid password within the required length (8-16 characters) is entered.

Execution History	Date	Result	Tester
	10/21/2024	Pass	Ruchitha Paccha

3.Email Address Field

Test Case ID	TC-BVT-003
Component	Email Address Field
Purpose of Test Case	Validate that the system accepts a valid email address format within standard boundaries.
Functional Test Type	Boundary Value Testing
Pre-Condition	• The profile creation page of the visa scheduling application is loaded. • The user is at the email input field.
Inputs	**Email Address: paccharuchitha@gmail.com (valid email address format).**
Expected Outputs	• The system accepts the email address, no error message is displayed. • The user is allowed to proceed to the next step of registration (i.e., receiving a verification code).
Post-Condition	• The email address is accepted and stored in the system. • The user can proceed to click "Send Verification Code" without any errors.

Execution History	Date	Result		Tester
	10/21/2024	Pass		Ruchitha Paccha

4. Email Address Field(symbol is missing)

Test Case ID	TC-BVT-004

Component	Email Address Field
Purpose of Test Case	Validate that the system correctly identifies an invalid email address format when the "@" symbol is missing.
Functional Test Type	Boundary Value Testing
Pre-Condition	• The profile creation page of the visa scheduling application is loaded. • The user is at the email input field.
Inputs	**Email Address: paccharuchithagmail.com (missing "@" symbol)**
Expected Outputs	• An error message is displayed, indicating an invalid email format: "Invalid email format." • The user is not allowed to proceed to the next step (sending verification code).
Post-Condition	The email is rejected, and the user is prompted to enter a valid email address.

Execution History	Date	Result	Tester
	10/21/2024	Pass	Ruchitha Paccha

Screenshot shows Email Address Field (symbol is missing)

5. Username Length Validation

Test Case ID	TC-BVT-005
Component	Username Field
Purpose of Test Case	To check if the system allows a username with more than 15 characters.
Functional Test Type	Boundary Value Testing
Pre-Condition	• The profile creation page of the visa scheduling application is loaded.
Inputs	**Username = Ruchithachowdary123 (19 characters)**
Expected Outputs	The system should allow the user to proceed if there's no maximum limit enforced on the username field length.
Post-Condition	No error message is displayed, and the user can proceed.

Execution History	Date	Result		Tester
	10/21/2024	Pass		Ruchitha Paccha

==Screenshot shows username with more than 15 characters.==

6.Test Case: Username Field - Invalid Special Characters

Test Case ID	**TC-BVT-006**		
Component	Username Field		
Purpose of Test Case	To check if the system allows a username with more than 15 characters.		
Functional Test Type	Boundary Value Testing		
Pre-Condition	• The profile creation page of the visa scheduling application is loaded.		
Inputs	**Username = Ruchithachowdary123 (19 characters)**		
Expected Outputs	The system should allow the user to proceed if there's no maximum limit enforced on the username field length.		
Post-Condition	No error message is displayed, and the user can proceed.		
Execution History	Date	Result	Tester
	10/21/2024	fail	Ruchitha Paccha

DEFECT ID: DEF-001

TITLE: Invalid Characters Allowed in Username Field Without Error Notification COMPONENT: Username Field

REPORTED BY: Ruchitha Paccha   **SUBCOMPONENT:** Profile Creation

REPORTED ON: 9/13/2024   **VERSION: 4.1.15**

PLATFORM: PC   **RESOLUTION PRIORITY: P1**

OPERATING SYSTEM: PC   **RESOLUTION SEVERITY: S2**

RELATED TEST CASE IDS: -   **CONSISTENCY:** medium

DEFECT SUMMARY:

The system allows the user to input a username containing invalid special characters (e.g., @, #,!), but no error message is displayed to inform the user that the username is invalid.

STEPS TO REPRODUCE

1. Navigate to the profile creation page.
2. Enter **Ruchithachowdary123@##!** as the username.
3. Click on the **Send Verification Code** button.

COMMENTS:

- Implement validation for special characters in the username field to prevent this issue.
- Consider enhancing user feedback by providing specific error messages.

ATTACHMENTS:

Screenshot shows Username Field Without Error Notification

7.Validate Username with Only Numbers

Test Case ID	TC-BVT-007
Component	Username Field
Purpose of Test Case	Verify that the system allows a username with only numbers.
Functional Test Type	Boundary Value Testing
Pre-Condition	• The profile creation page of the visa scheduling application is loaded.
Inputs	• **Navigate to the profile creation page.**

	• **Enter 123456789012345 as the username (15 characters).** • **Click on the Send Verification Code button.**
Expected Outputs	The system should accept the username and allow the user to proceed without any error messages.
Post-Condition	The user is able to proceed with profile creation.
Execution History	**Date** | **Result** | **Tester**
	10/21/2024 | Pass | Ruchitha Paccha

Username*

111111111111

New Password*

••••••••••••

Confirm New Password*

••••••••••••

Verification is necessary. Please click Send Verification Code button.
Email Address*

paccharuchitha@gmail.com

Send Verification Code

Given Name*

ruchitha

==Verify that the system allows a username with only numbers.==

8.Validate Empty Username

Test Case ID	TC-BVT-008
Component	Username Field
Purpose of Test Case	Verify that the system does not allow an empty username.
Functional Test Type	Boundary Value Testing
Pre-Condition	• The profile creation page of the visa scheduling application is loaded.
Inputs	• Navigate to the profile creation page. • Leave the username field empty. • Click on the **Send Verification Code** button.
Expected Outputs	An error message should be displayed stating that the username cannot be empty.
Post-Condition	The user is able to proceed with profile creation.

Execution History	Date	Result	Tester
	10/21/2024	Pass	Ruchitha Paccha

Screenshots shows to Verify that the system does not allow an empty username.

9.Validate Minimum Length of Username

Test Case ID	**TC-BVT-009**
Component	Username Field
Purpose of Test Case	Verify that the system accepts a username at the minimum length (e.g., 3 characters).
Functional Test Type	Boundary Value Testing
Pre-Condition	• The profile creation page of the visa scheduling application is loaded.
Inputs	• Navigate to the profile creation page. • Enter abc as the username (3 characters). • Click on the **Send Verification Code** button.
Expected Outputs	The system should accept the username and allow the user to proceed without any error messages.
Post-Condition	The user is able to proceed with profile creation.

Execution History	Date	Result	Tester
	10/21/2024	Pass	Ruchitha Paccha

Username*

abc

New Password*

••••••••••••

Confirm New Password*

••••••••••••

Verification is necessary. Please click Send Verification Code button.

Email Address*

paccharuchitha@gmail.com

Send Verification Code

10. a username at the minimum length

Test Case ID	TC-BVT-010		
Component	Username Field		
Purpose of Test Case	Verify that the system accepts a username at the minimum length (e.g., 3 characters).		
Functional Test Type	Boundary Value Testing		
Pre-Condition	• The profile creation page of the visa scheduling application is loaded.		
Inputs	• Navigate to the profile creation page. • Enter abc as the username (3 characters). • Click on the **Send Verification Code** button.		
Expected Outputs	The system should accept the username and allow the user to proceed without any error messages.		
Post-Condition	The user is able to proceed with profile creation.		
Execution History	**Date**	**Result**	**Tester**
	10/21/2024	Pass	Ruchitha Paccha

User Details

A user with the specified username and/or email already exists. Please choose a unique username and unique email.

Username*

Ruchitha

New Password*

••••••••••

Confirm New Password*

•••••••••

E-mail address verified. You can now continue.
Email Address*

paccharuchitha@gmail.com

Change e-mail

Apply for a

Terms and Condition

- All fees paid are non-ref

- A visa does not guarante

- A visa allows a foreign c

travel to the United State

permission to enter the U

- Permission to enter can

of Homeland Security (DF

Equivalence Class Testing

11.Country of Residence Selection

Test Case ID	TC-ECT-001		
Component	Country of Residence Selection		
Purpose of Test Case	Validate invalid input (country listed).		
Functional Test Type	Equivalence Class Testing		
Pre-Condition	The profile creation page of the visa scheduling application is loaded.		
Inputs	Navigate to the profile creation page. Country = 'India'		
Expected Outputs	The system should accept the username and allow the user to proceed without any error messages.		
Post-Condition	The user is able to proceed with profile creation.		
Execution History	**Date**	**Result**	**Tester**
	10/21/2024	Pass	Ruchitha Paccha

12. valid username and password.

Test Case ID	TC-ECT-002		
Component	User Authentication (Login)		
Purpose of Test Case	Ensure successful login with valid username and password.		
Functional Test Type	Equivalence Class Testing		
Pre-Condition	User account must exist with valid credentials.		
Inputs	• Username: Ruchithachowdary123 • Password: Valid@1234		
Expected Outputs	User is successfully logged in and redirected to the dashboard.		
Post-Condition	The user is able to proceed with profile creation.		
Execution History	Date	Result	Tester
	10/21/2024	Pass	Ruchitha Paccha

13. displayed for an invalid username format.

Test Case ID	**TC-ECT-003**		
Component	User Authentication (Login)		
Purpose of Test Case	Verify that an error is displayed for an invalid username format.		
Functional Test Type	Equivalence Class Testing		
Pre-Condition	User account must exist with valid credentials.		
Inputs	• Username: 123!InvalidName • Password: Valid@1234		
Expected Outputs	Error message: "Invalid username format."		
Post-Condition	User is not logged in.		
Execution History	**Date**	**Result**	**Tester**
	10/21/2024	Pass	Ruchitha Paccha

14. CAPTCHA validation succeeds (Login)

Test Case ID	**TC-ECT-004**
Component	CAPTCHA Validation (Security)

Purpose of Test Case	Verify that the system allows login or form submission when CAPTCHA validation succeeds
Functional Test Type	Equivalence Class Testing
Pre-Condition	CAPTCHA field is present and required for the login or form submission process.
Inputs	• Username: Ruchitha11 • Password: Valid@1234 • CAPTCHA: Correct Input (correctly solve the CAPTCHA challenge)
Expected Outputs	User is successfully logged in, or form is successfully submitted.
Post-Condition	User is redirected to the next page or dashboard.

Execution History	Date	Result	Tester
	10/21/2024	Pass	Ruchitha Paccha

Apply for a

Terms and Conditions

- All fees paid are non-ref
- A visa does not guarante
- A visa allows a foreign c
travel to the United States
permission to enter the U
- Permission to enter can
of Homeland Security (DH
Protection (CBP) official.
- You may not enter the U
visa must be valid at the t

User Details

Captcha Validation is not Successful. Please provide the correct captcha response.

Username*

Ruchitha11

Password*

••••••••••

B h n r J

Generate a new image

Captcha Text*

Bhnrj

Sign In   Cancel

OR
Don't have an account? Sign up now
Forgot your password? Reset Password

15. Profile Update

Test Case ID	TC-ECT-005
Component	Profile Update
Purpose of Test Case	Verify that the profile updates are saved successfully when valid data is provided.
Functional Test Type	Equivalence Class Testing
Pre-Condition	User is logged in and on the profile update page.

Inputs	• First Name: Ruchitha
	• Last Name: Paccha
Expected Outputs	Profile updates are saved, and a success message is displayed.
Post-Condition	Updated information is reflected in the user's profile.

Execution History	**Date**	**Result**		**Tester**
	10/21/2024	Pass		Ruchitha Paccha

16. Two-Factor Authentication (2FA)

Test Case ID	**TC-ECT-006**			
Component	Two-Factor Authentication (2FA)			
Purpose of Test Case	Verify that the system prompts for 2FA verification after entering valid login credentials.			
Functional Test Type	Equivalence Class Testing			
Pre-Condition	User has 2FA enabled on their account.			
Inputs	Username: "securedUser"			
	Password: "SafePass@2024"			
Expected Outputs	The system prompts for a 2FA code before granting access.			
Post-Condition	User is not logged in until the correct 2FA code is entered.			
Execution History	**Date**	**Result**		**Tester**
	10/21/2024	Pass		Ruchitha Paccha

17. scheduled successfully when available slots are selected.

Test Case ID	**TC-ECT-007**			
Component	Appointment Scheduling			
Purpose of Test Case	Verify that an appointment is scheduled successfully when available slots are selected.			
Functional Test Type	Equivalence Class Testing			
Pre-Condition	User is logged in and on the appointment scheduling page.			
Inputs	• Date: "10/25/2024"			
	• Time Slot: "10:00 AM"			
Expected Outputs	Appointment is scheduled successfully, and a confirmation message is displayed.			
Post-Condition	Appointment details are visible in the user's appointment list.			
Execution History	**Date**	**Result**		**Tester**
	10/21/2024	Pass		Ruchitha Paccha

18. Account Lockout After Multiple Failed Attempts

Test Case ID	TC-ECT-008		
Component	Login Authentication		
Purpose of Test Case	Verify that the account is locked after a certain number of failed login attempts.		
Functional Test Type	Equivalence Class Testing		
Pre-Condition	Account has a lockout policy after multiple failed attempts.		
Inputs	Username: validUser Password: wrongPassword (entered incorrectly 5 times)		
Expected Outputs	The account is locked, and a message is displayed indicating account lockout.		
Post-Condition	Account remains locked until it is manually unlocked or after a timeout period.		
Execution History	Date	Result	Tester
	10/21/2024	Pass	Ruchitha Paccha

19.Login Failure with Correct Credentials

Test Case ID	TC-ECT-009		
Component	Login Authentication		
Purpose of Test Case	Verify that the system fails to log in even when correct credentials are provided.		
Functional Test Type	Equivalence Class Testing		
Pre-Condition	The user account is active, and the credentials are known to be valid.		
Inputs	• Username: validUser • Password: CorrectPassword123		
Expected Outputs	The user is logged in successfully and redirected to the dashboard.		
Post-Condition	User remains on the login page and cannot access the system.		
Execution History	Date	Result	Tester
	10/21/2024	fail	Ruchitha Paccha

DEFECT ID: DEF-002

TITLE: Login Fails Despite Correct Credentials COMPONENT: Visa Application Web Interface

REPORTED BY: Ruchitha Paccha   **SUBCOMPONENT:** Login Authentication

REPORTED ON: 9/13/2024   **VERSION: 4.1.15**

PLATFORM: PC   **RESOLUTION PRIORITY: P2**

OPERATING SYSTEM: PC   **RESOLUTION SEVERITY: S2**

RELATED TEST CASE IDS: -   **CONSISTENCY:** medium

DEFECT SUMMARY:

> The "Sign in failed" error message is displayed even when valid login credentials are provided.
> The user is unable to access the system despite using the correct username and password.

STEPS TO REPRODUCE

- Open the Visa Application Web Interface login page.
- Enter a valid username and password (e.g., Username: validUser, Password: CorrectPassword123).
- Click the "Sign in" button.
- Observe the error message "Sign in failed" displayed on the screen.

- The issue occurs consistently for valid login credentials.
- The defect could be related to server-side authentication, account status, or security policies.
- Investigating server logs and backend authentication services is recommended.

ATTACHMENTS:
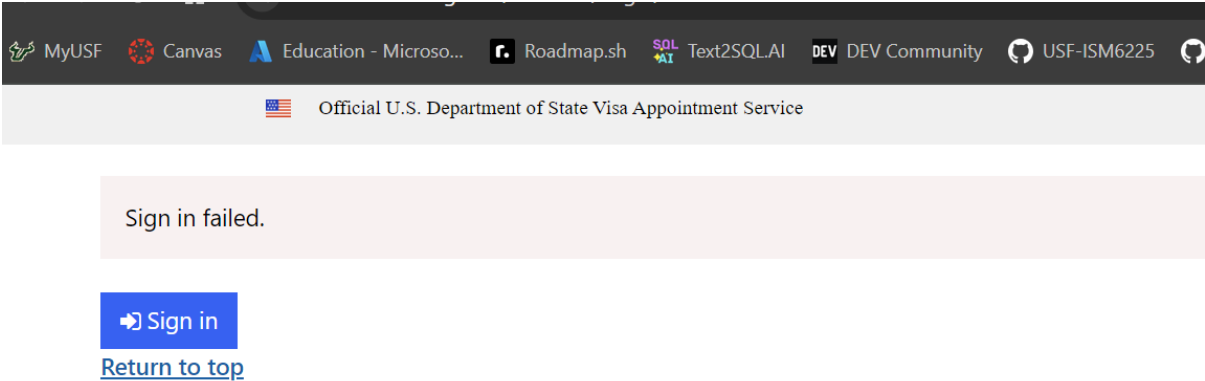
==Screenshot showing the "Sign in failed" error message after attempting to log in with valid credentials.==

20. Verify Document Upload Format

Test Case ID	TC-ECT-010
Component	Document Upload
Purpose of Test Case	Verify that the system accepts supported document formats and rejects unsupported ones.
Functional Test Type	Equivalence Class Testing

Pre-Condition	The document upload feature is accessible.		
Inputs	• File: "passport.pdf" (Valid format) • File: "image.bmp" (Invalid format)		
Expected Outputs	The system accepts the "passport.pdf" file for upload. The system rejects the "image.bmp" file and displays a message indicating the unsupported file format.		
Post-Condition	Only supported formats (e.g., .pdf, .jpg) are accepted for document uploads.		
Execution History	**Date**	**Result**	**Tester**
	10/21/2024	Pass	Ruchitha Paccha

Unit Testing

21. Application Creation Process

Test Case ID	TC- UT-001		
Component	Application Creation Process		
Purpose of Test Case	Verify that a new application is successfully created when valid input data is provided.		
Functional Test Type	unit Testing		
Pre-Condition	User is logged into the system. All required fields are available and correctly filled out.		
Inputs	Valid input data for all required fields (e.g., name, email, username, etc.). Submit the application creation form.		
Expected Outputs	A success message: "Application successfully created." The user is redirected to the dashboard or application details page.		
Post-Condition	The new application is listed in the user's application dashboard. The system should store the new application data correctly in the database.		
Execution History	**Date**	**Result**	**Tester**
	10/21/2024	Pass	Ruchitha Paccha

22.Email Notification on Appointment Confirmation

Test Case ID	TC- UT-002
Component	Send Confirmation Email
Purpose of Test Case	To verify that an email notification is sent when an appointment is confirmed.
Functional Test Type	unit Testing
Pre-Condition	User successfully schedules an appointment.
Inputs	Appointment ID: "APPT123"
Expected Outputs	A confirmation email is sent to the user's registered email address.

Post-Condition	Email is received, and the appointment is confirmed.		
Execution History	**Date**	**Result**	**Tester**
	10/21/2024	Pass	Ruchitha Paccha

23.Calendar Fetch

Test Case ID	TC- UT-003		
Component	fetch Available Dates		
Purpose of Test Case	To verify that available appointment dates are fetched from the database and displayed.		
Functional Test Type	unit Testing		
Pre-Condition	User is on the appointment scheduling page.		
Inputs	N/A (dates fetched from the database).		
Expected Outputs	A list of available dates is displayed for the user to select.		
Post-Condition	Available dates are correctly displayed.		
Execution History	**Date**	**Result**	**Tester**
	10/21/2024	Pass	Ruchitha Paccha

24.Reset Password Functionality

Test Case ID	TC- UT-004		
Component	reset Password		
Purpose of Test Case	To test the reset password feature when a user requests to reset their password		
Functional Test Type	unit Testing		
Pre-Condition	User provides their email for resetting the password		
Inputs	Email: "paccharuchitha@gmail.com"		
Expected Outputs	A reset password link is sent to the provided email address.		
Post-Condition	The user receives the email and can reset the password.		
Execution History	**Date**	**Result**	**Tester**
	10/21/2024	Pass	Ruchitha Paccha

25.User Logout

Test Case ID	TC- UT-005
Component	Logout Functionality

Purpose of Test Case	To verify that the user can log out successfully.
Functional Test Type	unit Testing
Pre-Condition	The user is logged into the system.
Inputs	User clicks on the "Logout" button.
Expected Outputs	• The user is logged out successfully. • The session is terminated. • The user is redirected to the login page.
Post-Condition	The session is cleared, and the user cannot access protected pages without logging in again.

Execution History	Date	Result		Tester
	10/21/2024	Pass		Ruchitha Paccha

26.Session Timeout Functionality

Test Case ID	TC- UT-006
Component	Session Management
Purpose of Test Case	To verify that user sessions expire after the set timeout period.
Functional Test Type	unit Testing
Pre-Condition	• The user is logged in. • The session timeout is set to 30 minutes.
Inputs	User inactivity for 30 minutes.
Expected Outputs	The session expires, and the user is logged out automatically.
Post-Condition	The user is redirected to the login page.

Execution History	Date	Result		Tester
	10/21/2024	Pass		Ruchitha Paccha

27.Missing "Start Application" Button and Other Navigation Options

Test Case ID	TC- UT-007
Component	U.S. Visa Application Web Interface
Purpose of Test Case	To verify that all navigation buttons (e.g., "Start Application," "Create Group Request," "Messages") are visible and functional after the user logs in.
Functional Test Type	unit Testing User Interface (UI) Testing
Pre-Condition	• The user must have valid login credentials. • The web application should be accessible. • Browser should be up to date (e.g., Chrome, Firefox).
Inputs	• Open the U.S. Visa Application page in a web browser. • Log in using valid user credentials.

Expected Outputs	All navigation buttons ("Start Application," "Create Group Request," "Messages") should be visible on the left-hand sidebar and fully functional.		
Post-Condition	The user should be able to proceed with the visa application or other processes using the available navigation buttons.		
Execution History	**Date**	**Result**	**Tester**
	10/21/2024	Fail	Ruchitha Paccha

DEFECT REPORTING

DEFECT ID: 003

TITLE: Missing "Start Application" Button and Other Navigation Options on U.S. Visa Application Page   **COMPONENT: Visa Application Web Interface**

REPORTED BY: Paccha Ruchitha   **SUBCOMPONENT: User Interface**

REPORTED ON: 10/22/2024   **VERSION:**

PLATFORM: Web Browser (specify the browser, e.g., Google Chrome, Firefox, etc.)
                              RESOLUTION PRIORITY: p2

OPERATING SYSTEM: **RESOLUTION SEVERITY: s2**

RELATED TEST CASE IDS: **CONSISTENCY:**

DEFECT SUMMARY:

The "Start Application" button and other navigation options like "Create Group Request" and "Messages" are missing from the U.S. Visa Application web page after login. This issue prevents users from progressing with the visa application process.

STEPS TO REPRODUCE:

- Open the U.S. Visa Application website in the web browser.
- Log in with valid credentials.
- Navigate to the application home page.

- **Observe that the "Start Application" button is missing from the sidebar.**

COMMENTS:

The issue may be browser-specific, cache-related, or due to website performance issues. Tried refreshing the page and clearing cache, but the issue persists. It might also relate to JavaScript not loading correctly.

ATTACHMENTS:

1. All navigation options available
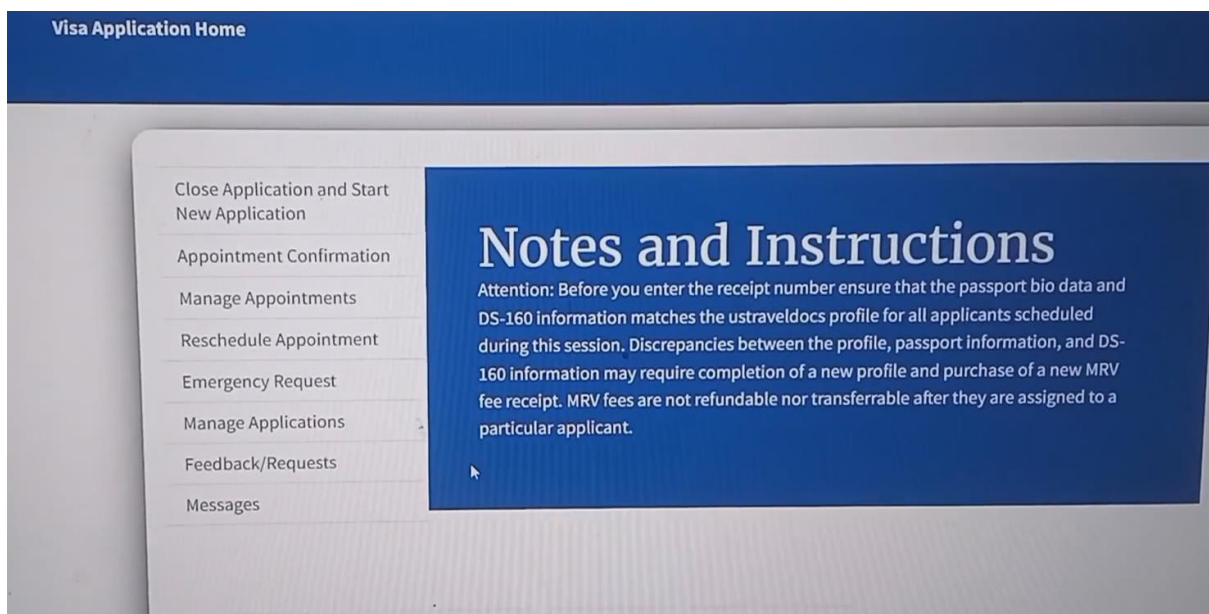
Screenshot shows Navigation buttons available

2.Missing all navigation options

For evaluators use only

DEFECT STATUS: _____APPROVED _____ REJECTED

REASON: _____

28.Missing "Appointment Confirmation" Button in Navigation Sidebar

Test Case ID	TC- UT-008
Component	U.S. Visa Application Web Interface
Purpose of Test Case	To verify that the "Appointment Confirmation" button is visible and functional after the user logs into the U.S. Visa Application portal.
Functional Test Type	unit Testing
Pre-Condition	• The user must have successfully logged into the U.S. Visa Application portal using valid credentials. • The user should have previously scheduled an appointment for visa application processing. • The browser should be compatible and up to date.
Inputs	• Access the U.S. Visa Application website using a web browser. • Log in with valid user credentials. • Check the left-hand navigation sidebar for the "Appointment Confirmation" option.
Expected Outputs	The "Appointment Confirmation" button should appear on the navigation sidebar, allowing the user to view and confirm their appointment details.
Post-Condition	The user should be able to proceed with viewing or downloading their appointment confirmation.

Execution History	Date	Result	Tester
	10/21/2024	Fail	Ruchitha Paccha

DEFECT REPORTING

DEFECT ID: 004

TITLE: Missing "Appointment Confirmation" Button in Navigation Sidebar
COMPONENT: Visa Application Web Interface

REPORTED BY: Paccha Ruchitha   **SUBCOMPONENT: User Interface**

REPORTED ON: 10/22/2024   **VERSION:**

PLATFORM: Web Browser (specify the browser, e.g., Google Chrome, Firefox, etc.)
RESOLUTION PRIORITY: p2

OPERATING SYSTEM: pc   **RESOLUTION SEVERITY: s2**

RELATED TEST CASE IDS: **CONSISTENCY:**

DEFECT SUMMARY:

The "Appointment Confirmation" button is missing from the navigation sidebar of the U.S. Visa Application web portal, preventing users from viewing or confirming their appointment details.

STEPS TO REPRODUCE:

- Open the U.S. Visa Application website.   - Log in using valid credentials.   - Navigate to the main dashboard.   - Check the left-hand navigation for the "Appointment Confirmation" option.

COMMENTS:

The issue may be browser-specific, cache-related, or due to website performance issues. Tried refreshing the page and clearing cache, but the issue persists. It might also relate to JavaScript not loading correctly.
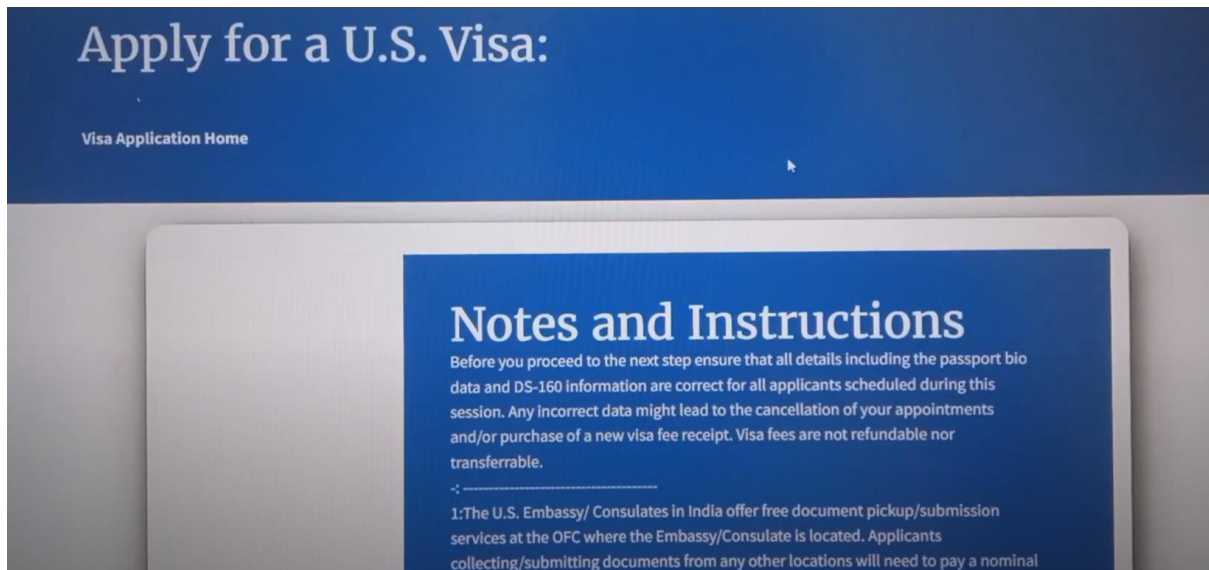
ATTACHMENTS:
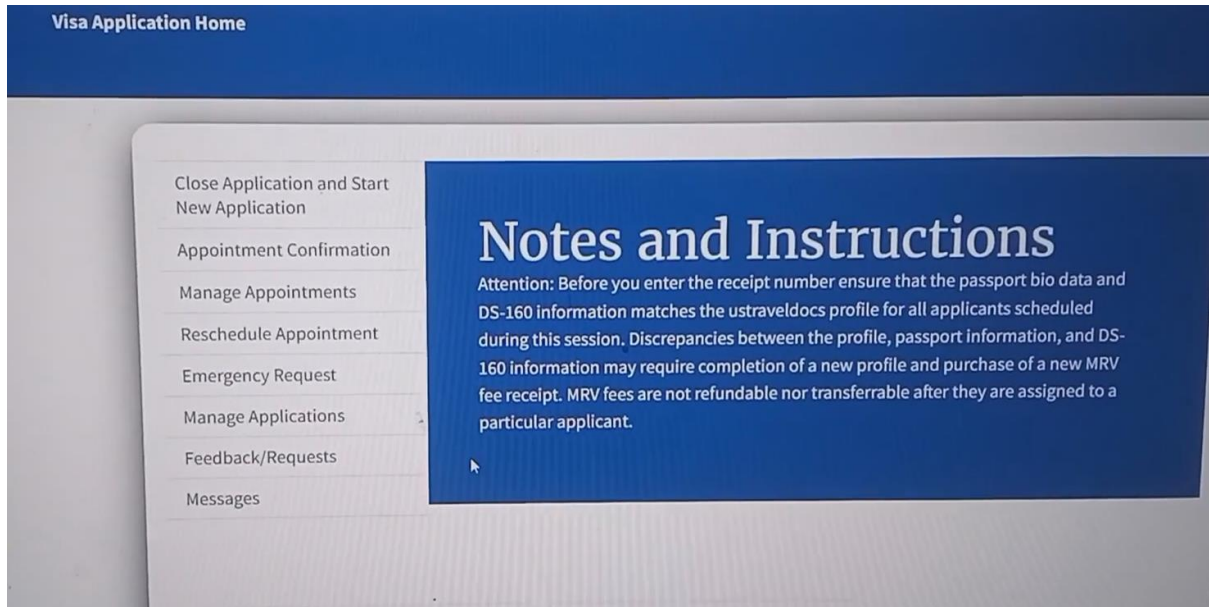
Screenshot shows all Navigation buttons available
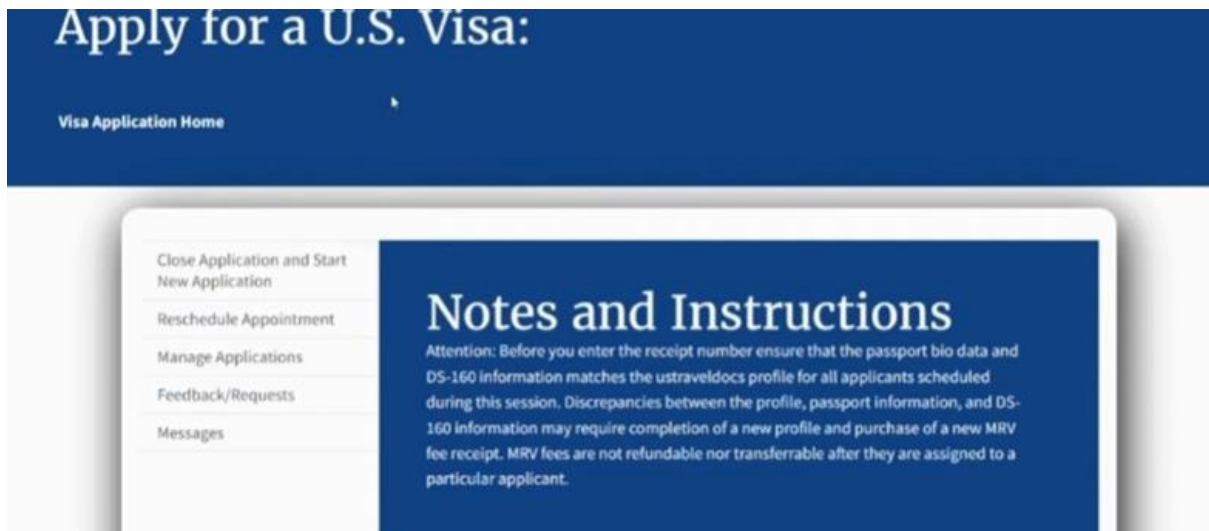
Screenshot shows missing the **Appointment Confirmation** Navigation buttons availabl

REASON: _____

29.schedule an appointment without internet connection.

Test Case ID	TC- UT-009		
Component	Appointment Scheduling		
Purpose of Test Case	Validate system response when trying to schedule an appointment without internet connection.		
Functional Test Type	unit Testing		
Pre-Condition	User is logged into the appointment scheduling system.		
Inputs	User navigates to the "Appointment conformation " section.		
Expected Outputs	Error message: "Unable to schedule appointment. Please check your internet connection."		
Post-Condition	No appointment is scheduled; user remains on the scheduling page.		
Execution History	Date	Result	Tester
	10/21/2024	pass	Ruchitha Paccha

30. Successful Appointment Scheduling

Test Case ID	TC- UT-010		
Component	U.S. Visa Application Appointment Scheduling System		
Purpose of Test Case	To verify that the available OFC appointment dates load correctly and without delay when the user attempts to view them.		
Functional Test Type	unit Testing User Interface (UI) Testing		
Pre-Condition	The user must be logged into the U.S. Visa Application system. The user has navigated to the OFC appointment scheduling section.		
Inputs	• Log into the U.S. Visa Application website. • Navigate to the OFC appointment scheduling page to view available dates.		
Expected Outputs	The system should display the available OFC appointment dates within a few seconds after navigating to the appointment page.		
Post-Condition	The system should continue to allow users to view and select available OFC appointment dates.		
Execution History	Date	Result	Tester
	10/21/2024	pass	Ruchitha Paccha

Exploratory Testing

31."Limit Reached" Error on First Attempt

Test Case ID	TC- ET-001		
Component	U.S. Visa Application Appointment Scheduling System		
Purpose of Test Case	To verify that the system allows users to schedule an appointment on their first attempt and that the "Limit Reached" error is not shown prematurely.		
Functional Test Type	Exploratory testing		
Pre-Condition	The user must be logged into the U.S. Visa Application system. The user should not have made any prior attempts to schedule an appointment during the current session		
Inputs	• Log into the U.S. Visa Application website. • Attempt to schedule an appointment for the first time.		
Expected Outputs	The system should allow the user to schedule an appointment successfully on the first attempt without displaying a "Limit Reached" error.		
Post-Condition	The system should update the appointment status and reflect that the user has scheduled an appointment.		
Execution History	**Date**	**Result**	**Tester**
	10/21/2024	Fail	Ruchitha Paccha

DEFECT REPORTING

DEFECT ID: 005

TITLE: Limit Reached" Error Displayed on First Appointment Scheduling Attempt
COMPONENT: Visa Application Web Interface

REPORTED BY: Paccha Ruchitha   **SUBCOMPONENT: User Interface**

REPORTED ON: 10/22/2024   **VERSION:**

PLATFORM: Web Browser (specify the browser, e.g., Google Chrome, Firefox, etc.)
RESOLUTION PRIORITY: p2

OPERATING SYSTEM: pc   **RESOLUTION SEVERITY: s2**

RELATED TEST CASE IDS: **CONSISTENCY: medium**

DEFECT SUMMARY:

The system incorrectly displays a "Limit Reached" error when users attempt to schedule an appointment for the very first time. This prevents users from scheduling their appointments, effectively blocking them from proceeding with the visa application process.

STEPS TO REPRODUCE:

- **Open the U.S. Visa Application website.**
- **Log in using valid credentials.**
- **Attempt to schedule an appointment for the first time.**
- **Observe that the system displays a "Limit Reached" error despite it being the user's first scheduling attempt.**

COMMENTS:

This issue critically impacts the user experience and should be resolved urgently, as it blocks users from scheduling visa appointments on their first attempt.

ATTACHMENTS:

32.To verify that the "Submit" button works correctly

Test Case ID	TC- ET-002
Component	U.S. Visa Application Appointment Scheduling System
Purpose of Test Case	To verify that the "Submit" button works correctly and consistently when a user attempts to submit an appointment scheduling request.
Functional Test Type	<mark>Exploratory testing</mark>
Pre-Condition	The user must be logged into the U.S. Visa Application system. The user has filled out all necessary fields to schedule an appointment.
Inputs	- Log into the U.S. Visa Application website. - Fill in all required fields for scheduling an appointment. - Click the "Submit" button.
Expected Outputs	The "Submit" button should function consistently and process the request without fail. The user should be redirected to a confirmation page after successful submission, or appropriate error messages should be displayed if submission fails due to user input errors.
Post-Condition	The system should correctly process the appointment scheduling request and return a confirmation if successful or provide feedback in case of failure.

Execution History	Date	Result		Tester
	10/21/2024	Fail		Ruchitha Paccha

DEFECT REPORTING

DEFECT ID: 007

TITLE: "Submit" Button Fails to Respond Consistently on Appointment Scheduling Page
COMPONENT: Visa Application Web Interface

REPORTED BY: Paccha Ruchitha   **SUBCOMPONENT:** User Interface

REPORTED ON: 10/22/2024   **VERSION:**

PLATFORM: Web Browser (specify the browser, e.g., Google Chrome, Firefox, etc.)
RESOLUTION PRIORITY: p2

OPERATING SYSTEM: pc   **RESOLUTION SEVERITY:** s2

RELATED TEST CASE IDS: **CONSISTENCY:** medium

DEFECT SUMMARY:

The "Submit" button intermittently fails to respond when users attempt to schedule a U.S. visa appointment. This inconsistency prevents users from successfully submitting their appointment request, leading to frustration and a potential loss of progress.

STEPS TO REPRODUCE:

- Open the U.S. Visa Application website.
- Log in using valid credentials.
- Fill in all required information to schedule an appointment.
- Click the "Submit" button.
- Observe that the button sometimes does not respond, or the submission does not proceed, with no error or feedback provided to the user.

COMMENTS:

This issue impacts the user experience by preventing successful submission of appointment scheduling requests, leading to delays and potential loss of appointments.

ATTACHMENTS:
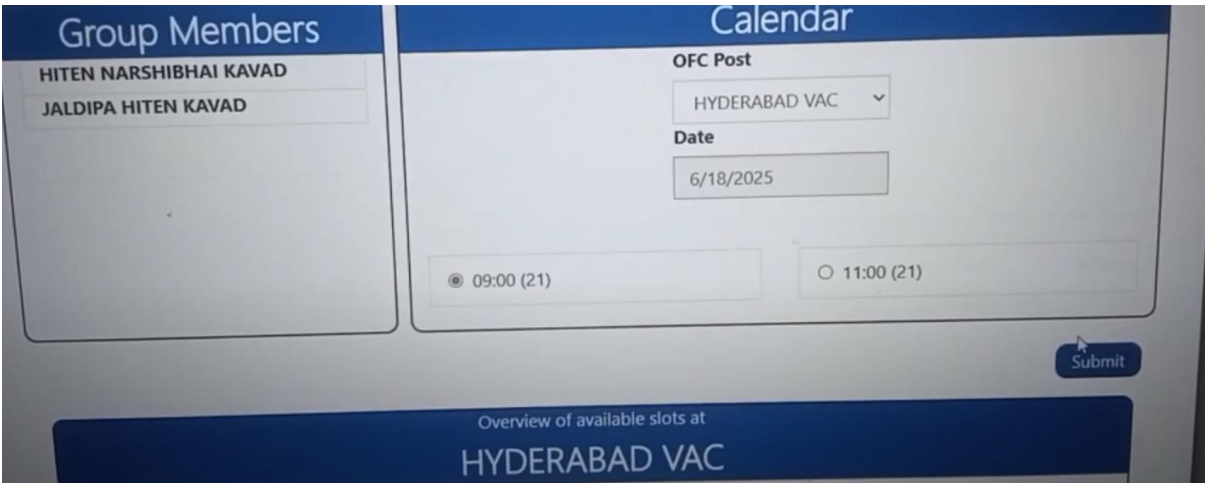
<mark>Screenshot shows submit button not working</mark>

33. "Dates Continuously Loading" Issue

Test Case ID	TC- ET-003
Component	U.S. Visa Application Appointment Scheduling System
Purpose of Test Case	To verify that the available OFC appointment dates load correctly and without delay when the user attempts to view them.
Functional Test Type	<mark>Exploratory testing</mark>
Pre-Condition	The user must be logged into the U.S. Visa Application system. The user has navigated to the OFC appointment scheduling section.
Inputs	• Log into the U.S. Visa Application website. • Navigate to the OFC appointment scheduling page to view available dates.
Expected Outputs	The system should display the available OFC appointment dates within a few seconds after navigating to the appointment page.
Post-Condition	The system should continue to allow users to view and select available OFC appointment dates.

Execution History	Date	Result	Tester
	10/21/2024	Fail	Ruchitha Paccha

DEFECT REPORTING

DEFECT ID: 008

TITLE: OFC Appointment Dates Continuously Showing "Loading" Message
            COMPONENT: Visa Application Web Interface

REPORTED BY: Paccha Ruchitha   **SUBCOMPONENT: User Interface**

REPORTED ON: 10/22/2024   **VERSION:**

PLATFORM: Web Browser (specify the browser, e.g., Google Chrome, Firefox, etc.)
            RESOLUTION PRIORITY: p2

OPERATING SYSTEM: **RESOLUTION SEVERITY: s2**

RELATED TEST CASE IDS: **CONSISTENCY:**

DEFECT SUMMARY:

   When users attempt to schedule an OFC appointment, the system continuously displays a "Loading" message instead of showing available appointment dates. This prevents users from selecting or scheduling their OFC appointment.

STEPS TO REPRODUCE:

- **Open the U.S. Visa Application website.**
- **Log in using valid credentials.**
- **Navigate to the OFC appointment scheduling page.**
- **Observe that the system continuously displays a "Loading" message for the appointment dates and does not load any actual available dates.**

COMMENTS:

   This defect impacts the user's ability to schedule OFC appointments, which is a critical part of the visa application process.

ATTACHMENTS:

34.existing appointment scheduled.

Test Case ID	TC- ET-004		
Component	Appointment Scheduling		
Purpose of Test Case	Validate that the user can edit an existing appointment.		
Functional Test Type	<mark>Exploratory testing</mark>		
Pre-Condition	User has an existing appointment scheduled.		
Inputs	Appointment ID: 12345, New Date: 2024-11-16, New Time: 2:00 PM		
Expected Outputs	Confirmation message: "Appointment successfully updated."		
Post-Condition	Appointment details are updated in the user's calendar.		
Execution History	Date	Result	Tester
	10/21/2024	pass	Ruchitha Paccha

35.Successfully reschedule the Appointment Scheduling

Test Case ID	TC- ET-005
Component	Appointment Scheduling
Purpose of Test Case	Verify that the user can reschedule an appointment successfully.

Functional Test Type	<mark>Exploratory testing</mark>
Pre-Condition	User has an existing appointment scheduled.
Inputs	Appointment ID: 12345, New Date: 2024-11-16, New Time: 2:00 PM
Expected Outputs	Confirmation message: "Appointment successfully updated."
Post-Condition	The appointment is updated with the new date and time in the user's calendar.
Execution History	

Date	Result	Tester
10/21/2024	pass	Ruchitha Paccha

36.the system prevents double booking by the same user.

Test Case ID	TC- ET-006
Component	Appointment Scheduling
Purpose of Test Case	Verify that the system prevents double booking by the same user.
Functional Test Type	<mark>Exploratory testing</mark>
Pre-Condition	User has a scheduled appointment at 1:00 PM.
Inputs	Appointment ID: 12345, New Date: 2024-11-16, New Time: 2:00 PM
Expected Outputs	Error message: "You already have an appointment scheduled for this time.
Post-Condition	No new appointment is scheduled; user remains on the scheduling page.
Execution History	

Date	Result	Tester
10/21/2024	pass	Ruchitha Paccha

37.successfully cancel a scheduled appointment

Test Case ID	TC- ET-007
Component	Appointment Scheduling
Purpose of Test Case	Verify that the user can successfully cancel a scheduled appointment.
Functional Test Type	<mark>Exploratory testing</mark>
Pre-Condition	User has at least one scheduled appointment.
Inputs	Appointment ID: 12345 (ID of the scheduled appointment).
Expected Outputs	Confirmation message: "Appointment successfully canceled."
Post-Condition	Appointment is removed from the user's calendar and not visible in the appointment list.
Execution History	

Date	Result	Tester
10/21/2024	pass	Ruchitha Paccha

38. view scheduled appointments

Test Case ID	**TC- ET-008**		
Component	Appointment Scheduling		
Purpose of Test Case	Verify that the user can view scheduled appointments in their calendar		
Functional Test Type	<mark>Exploratory testing</mark>		
Pre-Condition	User has at least one scheduled appointment.		
Inputs	User navigates to the "Appointment conformation " section.		
Expected Outputs	List of scheduled appointments is displayed with correct details (date, time, and name).		
Post-Condition	User can see and manage their scheduled appointments.		
Execution History	**Date**	**Result**	**Tester**
	10/21/2024	pass	Ruchitha Paccha

39. valid credit card for payment.

Test Case ID	**TC- ET-009**		
Component	Payment Method		
Purpose of Test Case	Verify that the user can select a valid credit card for payment.		
Functional Test Type	<mark>Exploratory testing</mark>		
Pre-Condition	User is on the payment page after scheduling an appointment.		
Inputs	Card Number: 4111 1111 1111 1111, Expiry Date: 12/26, CVV: 123.		
Expected Outputs	Confirmation message: "Payment processed successfully."		
Post-Condition	Payment is recorded and appointment is confirmed.		
Execution History	**Date**	**Result**	**Tester**
	10/21/2024	pass	Ruchitha Paccha

40. system response to an expired credit card.

Test Case ID	**TC- ET-010**
Component	Payment Method
Purpose of Test Case	Validate system response to an expired credit card.
Functional Test Type	<mark>Exploratory testing</mark>
Pre-Condition	User is on the payment page after scheduling an appointment.
Inputs	Card Number: 4111 1111 1111 1111, Expiry Date: 12/26, CVV: 123.
Expected Outputs	Error message: "Your credit card has expired."

Post-Condition	User remains on the payment page to enter a valid card.		
Execution History	**Date**	**Result**	**Tester**
	10/21/2024	pass	Ruchitha Paccha

5.Specification-Based Testing

41.user can select a PayPal payment option

Test Case ID	TC-SBT-001		
Component	Payment Method		
Purpose of Test Case	Verify that the user can select a PayPal payment option.		
Functional Test Type	Specification-Based Testing		
Pre-Condition	User is on the payment page after scheduling an appointment.		
Inputs	Payment Method: PayPal, PayPal Email: user@example.com.		
Expected Outputs	Confirmation message: "Redirecting to PayPal for payment."		
Post-Condition	User is redirected to the PayPal site for payment processing.		
Execution History	**Date**	**Result**	**Tester**
	10/21/2024	pass	Ruchitha Paccha

42.invalid credit card number.

Test Case ID	TC-SBT-002		
Component	Payment Method		
Purpose of Test Case	Validate system response for invalid credit card number.		
Functional Test Type	Specification-Based Testing		
Pre-Condition	User is on the payment page after scheduling an appointment.		
Inputs	Card Number: 1234 5678 9012 3456 (invalid), Expiry Date: 12/26, CVV: 123.		
Expected Outputs	Error message: "Invalid credit card number."		
Post-Condition	User remains on the payment page to enter a valid card.		
Execution History	**Date**	**Result**	**Tester**
	10/21/2024	pass	Ruchitha Paccha

43. Verify Fee Receipt Activation After 24 Hours.

Test Case ID	TC-SBT-003
Component	Payment Method and Fee Receipt Activation

Purpose of Test Case	Verify that the fee receipt is activated after 24 hours of payment.
Functional Test Type	Specification-Based Testing
Pre-Condition	User has successfully completed a payment.
Inputs	Receipt Number: [Receipt Number]
Expected Outputs	The fee receipt is activated after 24 hours, allowing the user to proceed with scheduling an appointment.
Post-Condition	The receipt status changes to "Activated," confirming that the payment has been processed.

Execution History	Date	Result	Tester
	10/21/2024	pass	Ruchitha Paccha

Visa Application Home > Applicant Details > Visa Options > Additional Options > Interview Waiver > Manage Dependents > Document Delivery Opt... > Single/Family Payment... > **Payment Details Access**

Payment Details

Summary of Charges

Reference Number	730170043453-a0K3d00000235MaEAI
Number of Applicants	1
Total Fee	13440.00 INR *(160.00 USD)*
Total Collected	13440.00 INR *(160.00 USD)*
Remaining Balance	0.00 INR *(0.00 USD)*

Continue to Confirm Receipt

Return to top

44.Verify Currency Selection for International Payments

Test Case ID	TC-SBT-004
Component	Payment Processing / Currency Selection
Purpose of Test Case	Ensure that the system allows the user to select an appropriate currency for international payments.
Functional Test Type	Specification-Based Testing
Pre-Condition	The payment page is accessible, and the system supports multiple currencies.
Inputs	• Currency: USD (default) • Currency: EUR (selected)
Expected Outputs	The payment amount is displayed in the selected currency, and the user can proceed with the payment.

Post-Condition	The payment is processed in the chosen currency.		
Execution History	**Date**	**Result**	**Tester**
	10/21/2024	pass	Ruchitha Paccha

45. Verify Refund Policy Compliance During Payment Reversal

Test Case ID	TC-SBT-005		
Component	Payment Processing / Refunds		
Purpose of Test Case	Ensure that the system complies with the specified refund policy during payment reversals.		
Functional Test Type	Specification-Based Testing		
Pre-Condition	A payment has been successfully processed and a refund request is initiated.		
Inputs	Refund Request: Initiate refund within 7 days of payment.		
Expected Outputs	The refund is processed according to the policy, and the user is notified of the reversal.		
Post-Condition	The payment is reversed, and the amount is refunded to the original payment method.		
Execution History	**Date**	**Result**	**Tester**
	10/21/2024	pass	Ruchitha Paccha

46. Verify Handling of Payment Timeout During Transaction

Test Case ID	TC-SBT-006		
Component	Payment Processing / Timeout Handling		
Purpose of Test Case	Ensure that the system properly handles a payment timeout during a transaction, providing appropriate user feedback and preventing double charges.		
Functional Test Type	Specification-Based Testing		
Pre-Condition	The payment page is accessible, and the payment processing timeout is set (e.g., 180 seconds).		
Inputs	Initiate a payment and simulate a delay that exceeds the payment timeout threshold (e.g., network slowdown or server delay).		
Expected Outputs	• The system displays an error message indicating that the payment process has timed out. • The transaction is canceled, and no charges are made to the user's payment method.		
Post-Condition	The user is prompted to retry the payment, ensuring no double charges occur.		
Execution History	**Date**	**Result**	**Tester**
	10/21/2024	pass	Ruchitha Paccha

47.Calendar Loading Issue for Consular Post "Chennai"

Test Case ID	TC-SBT-007
Component	Calendar Appointment System
Purpose of Test Case	Verify that the "Date" field loads available appointment dates when "Chennai" is selected as the consular post.
Functional Test Type	Specification-Based Testing
Pre-Condition	1. User is logged in and has access to the Calendar page. 2. The "Consular Posts" dropdown has the "Chennai" option available.
Inputs	1. Select "Chennai" from the "Consular Posts" dropdown.
Expected Outputs	1. The "Date" field populates with available appointment dates within 5 seconds. 2. No error messages or loading issues are displayed.
Post-Condition	1. The calendar data loads successfully, and the user can proceed to choose a date. 2. The system remains functional for further interactions.

Execution History	Date	Result		Tester
	10/21/2024	fail		Ruchitha Paccha

DEFECT ID: 009

TITLE: Calendar Loading Issue in Visa Application Web Interface
COMPONENT: Visa Application Web Interface

REPORTED BY: Paccha Ruchitha   **SUBCOMPONENT: Calendar Appointment System**

REPORTED ON: 10/22/2024   **VERSION:**

PLATFORM: Web Browser (specify the browser, e.g., Google Chrome, Firefox, etc.)
RESOLUTION PRIORITY: p2

OPERATING SYSTEM: **RESOLUTION SEVERITY: s2**

RELATED TEST CASE IDS: **CONSISTENCY:**

DEFECT SUMMARY:

   The "Calendar" section of the Visa Application Web Interface fails to load available appointment dates when "Chennai" is selected in the "Consular Posts" dropdown. The "Date" field remains stuck on "Loading...", preventing users from scheduling appointments.

STEPS TO REPRODUCE:

- **Log in to the Visa Application Web Interface.**
- **Navigate to the "schedule appointment" section.**
- **Select "Chennai" from the "Consular Posts" dropdown.**
- **Observe the "Date" field, which remains in a "Loading..." state without displaying available dates.**

COMMENTS:

The issue may be related to backend server response times, client-side JavaScript errors, or network connectivity.

Further investigation is needed to determine if other consular posts are affected.

ATTACHMENTS:
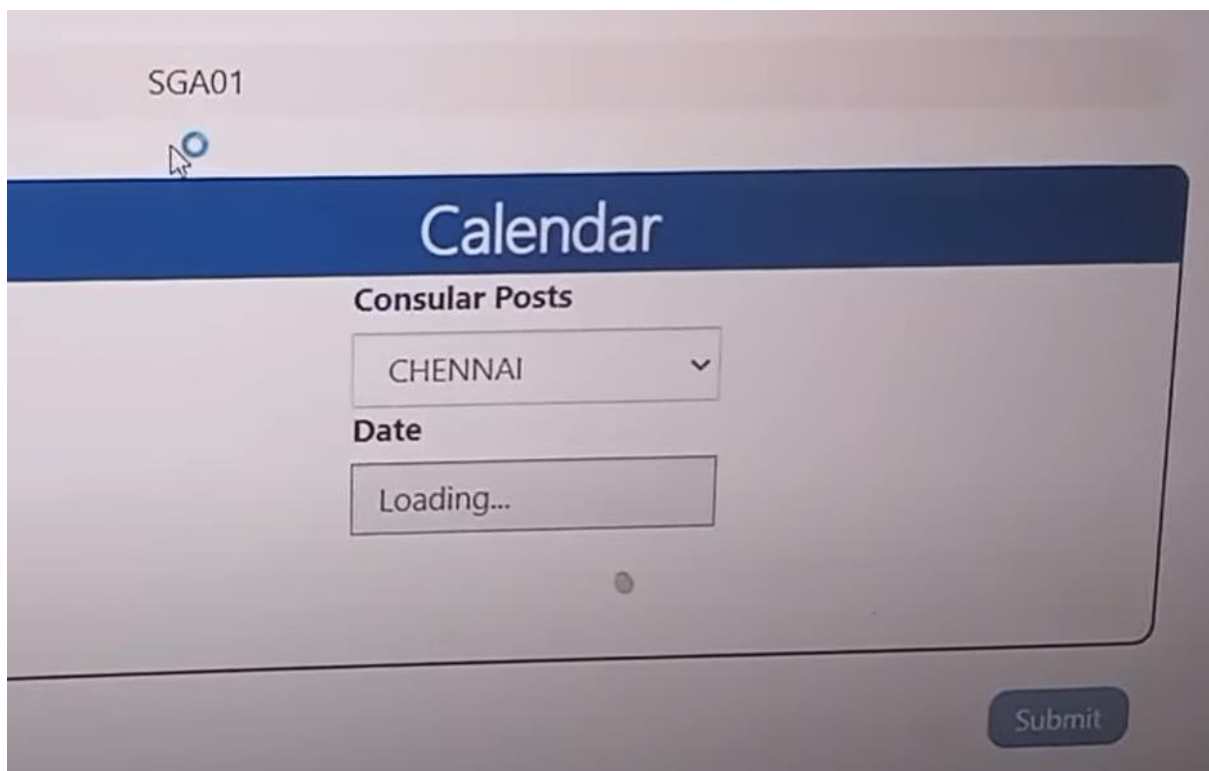
Screenshot showing the "Loading..." issue for the "Calendar" section

48. Verify Appointment Confirmation Displays Both OFC and VI Details

Test Case ID	TC-SBT-008		
Component	Appointment Scheduling		
Purpose of Test Case	Verify that the appointment confirmation displays both OFC (Offsite Facilitation Center) and VI (Visa Interview) details.		
Functional Test Type	Specification-Based Testing		
Pre-Condition	The user has successfully scheduled an appointment with dates for both OFC and VI.		
Inputs	• Schedule an appointment with available dates for both OFC and VI.		
Expected Outputs	• The appointment confirmation should display details for both OFC and VI, including date, time, and location.		
Post-Condition	The user can view and confirm the appointment details for both OFC and VI.		
Execution History	Date	Result	Tester
	10/21/2024	pass	Ruchitha Paccha

OFC APPOINTMENT DETAILS

Number of OFC Appointments:	1
OFC Appointment Number:	1
Applicant Name:	Rajesh Akula
Embassy/Consulate/OFC:	HYDERABAD VAC
Street Address:	Lower Concourse , Hitec City Metro Station
Street Address Cont.:	L&T Metro Rail (Hyderabad) Limited - HITEC City, Madhapur
City, Postal Code:	Hyderabad, 500081
OFC Appointment Date: (MM/DD/YYYY)	12/3/2024 9:00:00 AM

CONSULAR APPOINTMENT DETAILS:

Number of Consular Appointments:	1
Consular Appointment Number:	1
Applicant Name:	Rajesh Akula
Embassy/Consulate/OFC:	HYDERABAD
Street Address:	Sy. No. 115/1
Street Address Cont.:	Financial District, Nanakramguda,Hyderabad
City, Postal Code:	Telangana, 500032
Consular Appointment Date: (MM/DD/YYYY)	12/4/2024 9:15:00 AM

DOCUMENT DELIVERY INFORMATION

Screenshots shows both ofc and vi appointment

49.Missing the OFC details, and only the VI information is displayed.

Test Case ID	TC-SBT-009		
Component	Appointment Scheduling		
Purpose of Test Case	Verify that the appointment confirmation displays both OFC (Offsite Facilitation Center) and VI (Visa Interview) details.		
Functional Test Type	Specification-Based Testing		
Pre-Condition	The user has successfully scheduled an appointment with dates for both OFC and VI.		
Inputs	• Schedule an appointment with available dates for both OFC and VI.		
Expected Outputs	• The appointment confirmation should display details for both OFC and VI, including date, time, and location.		
Post-Condition	The user is unable to see the OFC appointment details, which may cause confusion.		
Execution History	**Date**	**Result**	**Tester**
	10/21/2024	Fail	Ruchitha Paccha

DEFECT ID: 010

TITLE: Missing OFC Details in Appointment Confirmation
COMPONENT: Appointment Scheduling

REPORTED BY: Paccha Ruchitha   SUBCOMPONENT: Calendar Appointment System

REPORTED ON: 10/22/2024   VERSION:

PLATFORM: Web Browser (specify the browser, e.g., Google Chrome, Firefox, etc.)
RESOLUTION PRIORITY: p2

OPERATING SYSTEM: pc   RESOLUTION SEVERITY: s2

RELATED TEST CASE IDS: CONSISTENCY:

DEFECT SUMMARY:

    The appointment confirmation page displays only the Visa Interview (VI) details, but the Offsite Facilitation Center (OFC) details are missing. Both OFC and VI information should be included in the appointment confirmation.

STEPS TO REPRODUCE:

- **Log in to the Visa Scheduling portal and schedule an appointment.**

- **Select an available date for the OFC and VI appointments.**
- **Proceed to the confirmation page after scheduling.**
- **Observe that the confirmation only shows the VI details, and the OFC details are missing.**

COMMENTS:

- **This issue may cause confusion for applicants who need to visit both the OFC and the consulate for the visa interview.**
- **The problem appears consistently across different appointments.**

ATTACHMENTS:

Visa Class: ****1413
Visa Category: F-1
Visa Priority: Students
DS-160 Confirmation Number: English
AA00DFPXPZ

CONSULAR APPOINTMENT DETAILS:

Number of Consular Appointments: 1

Consular Appointment Number: 1
Applicant Name:
Embassy/Consulate/OFC: Adithya Siva Ramaraju Penumatsa
Street Address: HYDERABAD
Street Address Cont.: Sy. No. 115/1
City, Postal Code: Financial District, Nanakramguda,Hyderabad
Consular Appointment Date: (MM/DD/YYYY) Telangana, 500032
8/13/2024 9:00:00 AM

DOCUMENT DELIVERY INFORMATION

Applicant Name: Adithya Siva Ramaraju Penumatsa
Document Delivery Type: Premium Location
Location Name: VIJAYAWADA-BlueDart-(Premium Pickup location-Fee Rs 850)

Screenshot showing the appointment confirmation page with only the VI details.

50. Heavy Load Impact on Visa Scheduling Portal

Test Case ID	TC-SBT-010
Component	Appointment Scheduling
Purpose of Test Case	when booking the new appointment in between showing that the "waiting room" message is displayed when the portal experiences heavy load.
Functional Test Type	Specification-Based Testing
Pre-Condition	The Visa Scheduling portal is accessed during a known peak traffic period.
Inputs	Attempt to access the Visa Scheduling portal during peak hours (e.g., when new appointments are released).

Expected Outputs	• The "waiting room" message is displayed, informing the user that they will be redirected shortly.		
Post-Condition	Users are unable to access the system during peak traffic.		
Execution History	**Date**	**Result**	**Tester**
	10/21/2024	Fail	Ruchitha Paccha

DEFECT ID: 011

TITLE: System Delays Due to Heavy Load on Visa Scheduling Portal
        COMPONENT: Visa Scheduling Portal

REPORTED BY: Paccha Ruchitha   **SUBCOMPONENT:** Appointment Scheduling System

REPORTED ON: 10/22/2024   **VERSION:**

PLATFORM: Web Browser (specify the browser, e.g., Google Chrome, Firefox, etc.)
            RESOLUTION PRIORITY: p2

OPERATING SYSTEM: pc   **RESOLUTION SEVERITY: s2**

RELATED TEST CASE IDS: **CONSISTENCY:**

DEFECT SUMMARY:

 The system displays a "waiting room" message indicating high traffic or system maintenance. Users are placed in a queue and have to wait before they can access the Visa Scheduling portal. This issue may cause significant delays, especially during peak usage times, such as when new appointment slots are released.

STEPS TO REPRODUCE:

- **Attempt to access the U.S. Visa Scheduling portal during peak times, such as when many users are expected to log in.**
- **Observe that a "waiting room" message appears, stating that users will be redirected to the portal shortly.**
- **The system may take an extended time to redirect users due to the heavy load.**

COMMENTS:

- The waiting room is used to manage high traffic and prevent the system from crashing, but it may lead to long wait times for users.
- The load-balancing mechanism should be optimized to reduce the impact on user experience

ATTACHMENTS:

Screenshot showing the "waiting room" message.

51 login registration

GENERAL INFORMATION				
Test Stage:	☐Unit ☒Functionality ☐Integration ☐System ☐Interface ☐Performance ☐Regression ☐Acceptance ☐Pilot **Functionality and unit test code: Selenium IDE script for automating registration form testing.**			
Test Date:	**23/10/2024**	**System Date, if applicable:**	NA	
Tester:	**ruchitha**	**Test Case Number:**	TC_001	
Test Case Description:	**Verify the user registration process, including username, password, email ID, and security question setup.**			
Results:	☒Pass ☐Fail	**Incident Number, if applicable:**	NA	

INTRODUCTION	
Requirement(s) to be tested:	Validate that the registration functionality allows new users to create an account by entering a username, password, email, and answering security questions.
Roles and Responsibilities:	The tester will design the test case and execute it using Selenium IDE to verify that all form fields are functioning correctly, and the form can be submitted without errors.
Set Up Procedures:	• Navigate to the CGI Visa Scheduling portal. • Ensure the "Sign Up" page is accessible. • Submit the form.
Stop Procedures:	If the registration form fails to load, stop testing and report the issue. If registration cannot be completed due to an unexpected error, log the defect and halt further testing.
ENVIRONMENTAL NEEDS	
Hardware:	Laptop/PC with internet access.
Software:	• Selenium IDE for test case execution • Web browser (Chrome or Firefox)
Procedural Requirements:	Ensure a stable internet connection and that the web application is up and running.
TEST	
Test Items and Features:	User registration functionality. Form validation for fields: Username, Password, Email, and Security Question.
Input Specifications:	1. Username: Ruchitha 2. Password: Ruchitha@123 3. Email: [user@example.com] 4. Security Question: Select a question and provide an appropriate response.
Procedural Steps:	1. Navigate to the registration page on the CGI Visa Scheduling portal. 2. Click on the "Sign Up" button. 3. Enter the username as "Ruchitha". 4. Type the password as "Ruchitha@123" and confirm it. 5. Enter the email ID. 6. Select and answer a security question.

	7. Submit the registration form.
Expected Results of Case:	• **The form is submitted successfully.** • **The user is redirected to a confirmation page or receives a success message confirming account creation.**
ACTUAL RESULTS	
Output Specifications:	**The form was submitted successfully, and the user was able to create an account without any errors. The test passed as expected.**

Project: Project*

Executing ▾

✓ Untitled

✓ test1_Registration*

https://www.usvisascheduling.com/en-US/

	Command	Target	Value
4	✓ click	id=signup	
5	✓ type	id=signInName	Ruchitha
6	✓ click	id=newPassword	
7	✓ type	id=newPassword	Ruchitha@123
8	✓ click	id=reenterPassword	
9	✓ type	id=reenterPassword	Ruchitha@123

Command

Target

Value

Description

Runs: 2   Failures: 0

Log   Reference

40. Trying to find id=kba1_response... OK
Warning Element found with secondary locator xpath=//div[@id='attributeList']/ul/li[3]/div/input. To use it by default, update the test step to use it as the primary locator.
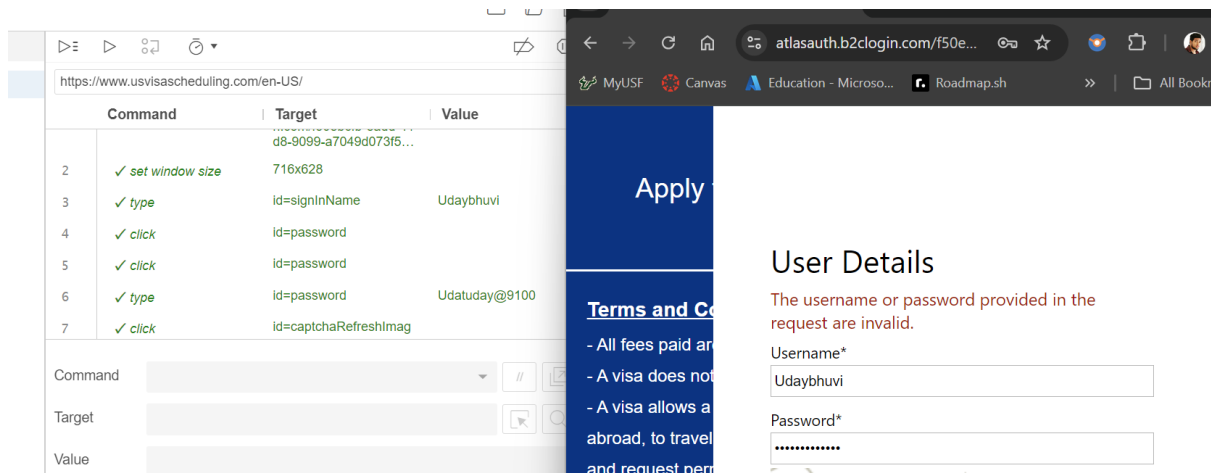**'test1_Registration' completed successfully**

52. Invalid logins

GENERAL INFORMATION	
Test Stage:	☐Unit ☐**Functionality** ☐Integration ☐System ☐**Interface** ☐Performance ☐Regression ☐Acceptance ☐Pilot **Functionality and unit test code: Selenium IDE script for automating registration form testing.**
Test Date:	**23/10/2024**

Test Date:	**23/10/2024**	**System Date, if applicable:**	**NA**
Tester:	**ruchitha**	**Test Case Number:**	**TC_002**
Test Case Description:	**Verify that the system displays an error message when a user attempts to log in with incorrect credentials (username or password).**		

Results:	☑Pass ☐Fail	Incident Number, if applicable:	NA

INTRODUCTION

Requirement(s) to be tested:	The system should prevent access and display an appropriate error message when a user tries to log in with incorrect credentials.
Roles and Responsibilities:	The tester will design the test case and execute it using Selenium IDE to verify that all form fields are functioning correctly, and the form can be submitted without errors.
Set Up Procedures:	1. Access the CGI Visa Scheduling portal's login page. 2. Ensure test data is ready, including a known set of incorrect login credentials.
Stop Procedures:	If the login page fails to load, stop testing and report the issue. If the login succeeds despite using incorrect credentials, log the defect and halt further testing.

ENVIRONMENTAL NEEDS

Hardware:	Laptop/PC with internet access.
Software:	• Selenium IDE for test case execution • Web browser (Chrome or Firefox)
Procedural Requirements:	Ensure a stable internet connection and that the web application is up and running.

TEST

Test Items and Features:	Login functionality with incorrect credentials. Error message display upon failed login attempt.
Input Specifications:	Username: Udaybhuvi Password: Udatuday@9100 (incorrect password)
Procedural Steps:	1. Open the login page of the CGI Visa Scheduling application. 2. Enter the username as "Udaybhuvi". 3. Enter the password as "Udatuday@9100". 4. Click on the "Submit" or "Login" button. 5. Observe the displayed message.
Expected Results of Case:	• The system should display an error message indicating that the username or password provided is invalid.

ACTUAL RESULTS

Output Specifications:	The system displayed the message "The username or password provided in the request are invalid" as expected. The login attempt was unsuccessful, confirming that the system correctly handled the invalid credentials.

52. Invalid captcha

GENERAL INFORMATION	
Test Stage:	☐Unit ☐Functionality ☐Integration ☐System ☐Interface ☐Performance ☐Regression ☐Acceptance ☐Pilot **Functionality and unit test code: Selenium IDE script for automating registration form testing.**

Test Date:	23/10/2024	**System Date, if applicable:**	NA
Tester:	ruchitha	**Test Case Number:**	TC_002
Test Case Description:	**Verify that the system displays an appropriate error message when the user fails CAPTCHA validation during login.**		
Results:	☐**Pass** ☐Fail	**Incident Number, if applicable:**	NA

INTRODUCTION	
Requirement(s) to be tested:	The system should prevent login if the CAPTCHA validation fails and display an appropriate error message to inform the user.
Roles and Responsibilities:	**Tester:** Execute the test case and verify the system's response to incorrect CAPTCHA input. **Developer:** Fix any issues found during testing, such as the system not displaying an error message or allowing login despite the failed CAPTCHA.
Set Up Procedures:	**Access the CGI Visa Scheduling portal's login page.** **Ensure the CAPTCHA field is present and functional.**
Stop Procedures:	**If the CAPTCHA is not displayed, stop testing and report the issue.**

	If the system allows login despite the failed CAPTCHA, log the defect and halt further testing.
ENVIRONMENTAL NEEDS	
Hardware:	Laptop/PC with internet access.
Software:	• **Selenium IDE for test case execution** • **Web browser (Chrome or Firefox)**
Procedural Requirements:	Ensure a stable internet connection and that the web application is accessible.
TEST	
Test Items and Features:	CAPTCHA validation on the login form. Error message display upon failed CAPTCHA verification.
Input Specifications:	Username: Udaybhuvi Password: Udatuday@910(correct password) CAPTCHA: Enter an incorrect response deliberately
Procedural Steps:	1. Open the login page of the CGI Visa Scheduling application. 2. Enter the username as "Udaybhuvi". 3. Enter the correct password. 4. Enter an incorrect CAPTCHA response. 5. Click the "Submit" or "Login" button. 6. the displayed message.
Expected Results of Case:	• The system should display an error message indicating that CAPTCHA validation was not successful and prompt the user to try again.
ACTUAL RESULTS	
Output Specifications:	The system displayed the message "Captcha Validation is not Successful. Please provide the correct captcha response," as expected. The login attempt was blocked, confirming that the system correctly handled the failed CAPTCHA validation.

Software testing Project Portfolio
U70955896
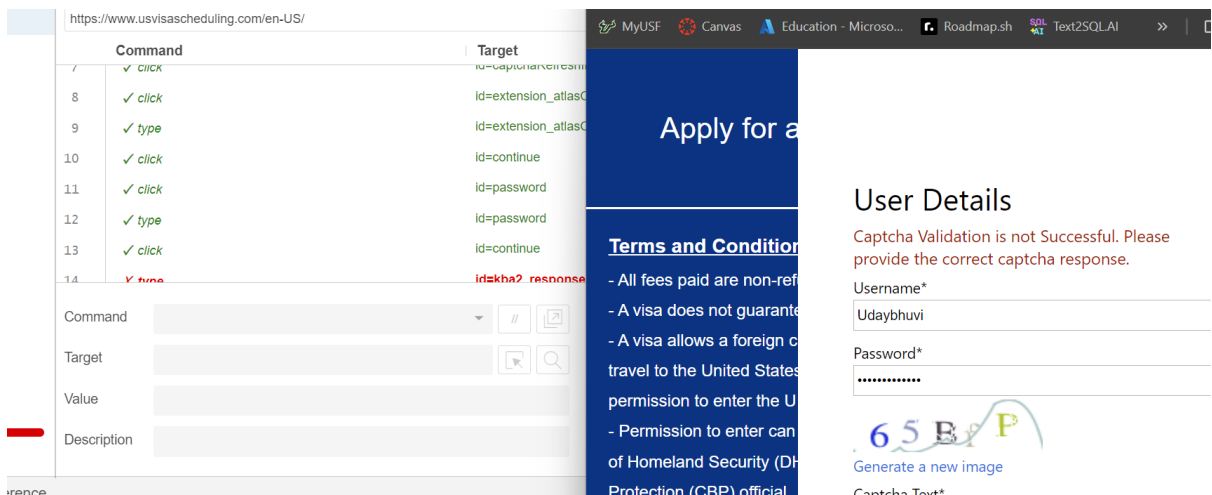
Conclusion:

In conclusion, the testing of the CGI Visa Scheduling application revealed several critical issues affecting the user experience, including navigation problems, inconsistent form behaviors, and loading delays. By applying various testing techniques, such as unit testing, boundary testing, and exploratory testing, the project successfully identified areas that require improvement to ensure the system's reliability and usability. Addressing these issues will significantly enhance the platform's stability, providing a smoother and more efficient experience for visa applicants. Overall, the project highlighted the importance of thorough testing to maintain the quality and effectiveness of web-based applications.