

Digital Egypt Pioneers Initiative (DEPI)

مبادرة رواد مصر الرقمية

Software Tester Track

Graduation Project – Manual Testing Part

Group Code: NEXT70_GIZ1_SWD7_G2e

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User Story 1

1- User Story

Title: As a customer, I want to filter products by category, so I can easily find items that match my interest.

Acceptance Criteria

1. The user must be able to see a list of product categories on the shop page.
2. The user must be able to select one or more categories from the list.
3. The product list must update to show only the products that belong to the selected categories.
4. The user must be able to clear the category filters to see all products again.
5. The number of products displayed must update dynamically as filters are applied or cleared.
6. The selected filters must be clearly visible to the user.
7. The filtering must work on both desktop and mobile views.

Displaying list of product categories

Verify that the user can see a list of product categories on the shop page

Severity	Priority	Behavior	Type
O Normal	— Not set	Positive	Functional
Layer	Is Flaky	Milestone	Automation
Not set	No	-	Manual
Status	Is Muted		
Actual	No		

Pre-conditions

User opens website/web application URL

Steps to reproduce

Step	1
Action	Navigate to the shop page
Input data	
Expected result	A list of product categories is displayed

Select one category

Verify that selecting one category filters products accordingly

Severity	Priority	Behavior	Type
O Normal	— Not set	Positive	Functional
Layer	Is Flaky	Milestone	Automation
Not set	No	-	Manual
Status	Is Muted		
Actual	No		

Pre-conditions

The shop page displays multiple products from different categories

Steps to reproduce

Step	1
Action	Navigate to the shop page
Input data	
Expected result	
Step	2
Action	Select the "Electronics" category
Input data	
Expected result	The product list is updated to show only products from the "Electronics" category

Select Multiple Categories

Verify that Selecting multiple categories filters products accordingly

Severity	Priority	Behavior	Type
O Normal	— Not set	Positive	Functional
Layer	Is Flaky	Milestone	Automation
Not set	No	-	Manual
Status	Is Muted		
Actual	No		

Pre-conditions

The ship page displays products from various categories

Steps to reproduce

Step	1
Action	Navigate to the shop page
Input data	
Expected result	
Step	2
Action	Select "Electronics" and "Clothing" categories from the categories list
Input data	
Expected result	The product list shows items from both "Electronics" and "Clothing" categories

Clear Category Filters

Verify that the user can clear the selected category filters to view all products

Severity	Priority	Behavior	Type
O Normal	— Not set	Positive	Functional
Layer	Is Flaky	Milestone	Automation
Not set	No	-	Manual
Status	Is Muted		
Actual	No		

Pre-conditions

The user has applied category filters: "Electronics" and "Clothing" categories

Steps to reproduce

Step	1
Action	Click the "Clear Filters" button/option
Input data	
Expected result	All category filters are cleared and the full product list is displayed

Dynamic Update of product count

Verify that the number of displayed products dynamically updates as filters are applied or cleared

Severity	Priority	Behavior	Type
O Normal	— Not set	Positive	Functional
Layer	Is Flaky	Milestone	Automation
Not set	No	-	Manual
Status	Is Muted		
Actual	No		

Pre-conditions

Products exist in multiple categories

Steps to reproduce

Step	1
Action	Apply category filters
Input data	
Expected result	
Step	2
Action	Observe the number of displayed products
Input data	
Expected result	
Step	3
Action	Clear the filters
Input data	
Expected result	The product count updates dynamically on applied or cleared filters

Selected filters visibility

Verify that selected category filters are clearly visible to the user

Severity	Priority	Behavior	Type
O Normal	— Not set	Positive	Functional
Layer	Is Flaky	Milestone	Automation
Not set	No	-	Manual
Status	Is Muted		
Actual	No		

Pre-conditions

User is on the shop page

Steps to reproduce

Step	1
Action	Apply the "Electronics" category filter
Input data	
Expected result	The selected filter is clearly visible on the page

Filtering on Desktop and Mobile Views

Verify that category filtering works on both desktop and mobile views

Severity	Priority	Behavior	Type
O Normal	— Not set	Positive	Functional
Layer	Is Flaky	Milestone	Automation
Not set	No	-	Manual
Status	Is Muted		
Actual	No		

Pre-conditions

User accesses the ship page from desktop and mobile

Steps to reproduce

Step	1
Action	Open the shop page on a desktop
Input data	
Expected result	
Step	2
Action	Apply filters
Input data	
Expected result	
Step	3
Action	Open the shop page on a mobile device
Input data	
Expected result	
Step	4
Action	Apply filters
Input data	
Expected result	The category filtering functions/works properly on both desktop and mobile devices

Clearing filters with no categories applied

Verify the system behavior when attempting to clear filters when no categories have been selected

Severity	Priority	Behavior	Type
O Normal	— Not set	Negative	Functional
Layer	Is Flaky	Milestone	Automation
Not set	No	-	Manual
Status	Is Muted		
Actual	No		

Steps to reproduce

Step	1
Action	Navigate to the shop page
Input data	
Expected result	
Step	2
Action	Attempt to clear the filters without applying any
Input data	
Expected result	No change occurs and all products remain displayed

No Products in Selected category

Verify the system behavior when no products are available under the selected category

Severity	Priority	Behavior	Type
O Normal	— Not set	Not set	Functional
Layer	Is Flaky	Milestone	Automation
Not set	No	-	Manual
Status	Is Muted		
Actual	No		

Pre-conditions

No products exist in the selected category

Steps to reproduce

Step	1
Action	Navigate to the shop page
Input data	
Expected result	
Step	2
Action	Apply the "the furniture" category filter
Input data	
Expected result	A message indicating "No products found" is displayed

Combination of Empty and Filled Categories

Verify the system behavior when a mix of categories with and without products is selected

Severity	Priority	Behavior	Type
O Normal	— Not set	Not set	Functional
Layer	Is Flaky	Milestone	Automation
Not set	No	-	Manual
Status	Is Muted		
Actual	No		

Pre-conditions

Some of the selected categories have products while other do not have any

Steps to reproduce

Step	1
Action	Navigate to the shop page
Input data	
Expected result	
Step	2
Action	Select "Clothing", "Books" and "furniture" categories
Input data	
Expected result	Products from "Clothing" are displayed and no products from "Books" and "furniture" are shown but no errors are encountered

User Story 2

2- User Story

Title: As a citizen, I want to apply for a new passport online, so I can avoid visiting the passport office in person.

Acceptance Criteria

1. The user must be able to access the passport application form from the government website's home page.
2. The user must be able to fill out personal information(full name - ID number), contact details(phone number - Email), and upload necessary documents. (ID - personal photo) extension (pdf) (Max size 1 Mbyte)
3. The form must validate the entered data in real-time, providing error messages for any invalid or missing information.
4. The user must be able to save their progress and continue the application at a later time. (48 hrs)
5. The user must be able to submit the completed application form.
6. Upon submission, the user must receive a confirmation email with a reference number.
7. The user must be able to check the status of their application using the reference number.(pending - in progress - Ready)

Pending : Document not reviewed yet
In progress : Document is being reviewed
Ready : reviewed and validated
8. Status : ready The user must be able to pay the application fee online securely.
(bank account 174 -xxx-xxx - vodafone cash (010xxxxxxx))

Accessibility to Passport Application Form

Verify the user can access the passport application form from the government website's home page

Severity	Priority	Behavior	Type
O Normal	— Not set	Positive	Functional
Layer	Is Flaky	Milestone	Automation
Not set	No	-	Manual
Status	Is Muted		
Actual	No		

Pre-conditions

The government website is accessible and the user is connected to the internet

Steps to reproduce

Step	1
Action	Navigate to the government website's home page
Input data	
Expected result	
Step	2
Action	Click on the link to access the passport application form
Input data	
Expected result	The user is directed to the passport application form

Severity	Priority	Behavior	Type
O Normal	— Not set	Positive	Functional
Layer	Is Flaky	Milestone	Automation
Not set	No	-	Manual
Status	Is Muted		
Actual	No		

Pre-conditions

The user has the valid information and documents

Steps to reproduce

Step	1
Action	Navigate to the passport application form
Input data	
Expected result	
Step	2
Action	Enter full name (Test User) and ID number (12345678901234)
Input data	
Expected result	
Step	3
Action	Enter valid phone number (01012345678) and email address (test.user@example.com)
Input data	
Expected result	
Step	4
Action	Upload the ID and personal photo in PDF format (less than 1 MB each)
Input data	
Expected result	
Step	5

Action	Submit the form
Input data	
Expected result	The form is successfully submitted and a confirmation email with a reference number is sent

Real-Time Data Validation

Verify that the form validates user input in real-time

Severity	Priority	Behavior	Type
O Normal	— Not set	Negative	Functional
Layer	Is Flaky	Milestone	Automation
Not set	No	-	Manual
Status	Is Muted		
Actual	No		

Pre-conditions

User is filling out the application form

Steps to reproduce

Step	1
Action	Enter valid data for all application form fields except ID and email field
Input data	
Expected result	
Step	2
Action	Enter invalid data for ID number (123)
Input data	
Expected result	
Step	3
Action	Leave the email field empty
Input data	
Expected result	
Step	4
Action	Upload the personal photo with extension (png) and size 2 Mbyte
Input data	
Expected result	Valid data is accepted and error messages are displayed for invalid ID, empty email field and invalid photo extension and size

Save Progress and Resume Application

Verify that the user can save their progress and continue the application later within 48 hours

Severity	Priority	Behavior	Type
O Normal	— Not set	Positive	Functional
Layer	Is Flaky	Milestone	Automation
Not set	No	-	Manual
Status	Is Muted		
Actual	No		

Pre-conditions

User has filled out some fields in the application but not completed yet

Steps to reproduce

Step	1
Action	Enter Full name (Test User)
Input data	
Expected result	
Step	2
Action	Enter ID Number (12345678901234)
Input data	
Expected result	
Step	3
Action	Click "Save"
Input data	
Expected result	
Step	4
Action	Open the application form after a few hours (within 48 hours) and complete filling the form
Input data	
Expected result	The application is saved successfully with a confirmation message indicating that progress has been saved and user should be able to resume filling the application

Receiving Confirmation Email

Verify that the user receives a confirmation email upon submission

Severity	Priority	Behavior	Type
O Normal	— Not set	Positive	Functional
Layer	Is Flaky	Milestone	Automation
Not set	No	-	Manual
Status	Is Muted		
Actual	No		

Pre-conditions

User has successfully filled out the application

Steps to reproduce

Step	1
Action	Submit the application
Input data	
Expected result	
Step	2
Action	Check the registered email for the confirmation
Input data	
Expected result	User receives a confirmation email with a reference number

Check Application Status

Verify that the user can check the status of their application using the reference number

Severity	Priority	Behavior	Type
O Normal	— Not set	Positive	Functional
Layer	Is Flaky	Milestone	Automation
Not set	No	-	Manual
Status	Is Muted		
Actual	No		

Pre-conditions

User has received a reference number after submission

Steps to reproduce

Step	1
Action	Navigate to the application status page
Input data	
Expected result	
Step	2
Action	Enter the reference number (REF123456)
Input data	
Expected result	
Step	3
Action	Click "Check Status"
Input data	
Expected result	User is able to check and see the status of the application (pending, in progress, ready)

Pay Application Fee

Verify that the user can pay the application fee securely after the status is "Ready"

Severity	Priority	Behavior	Type
O Normal	— Not set	Positive	Functional
Layer	Is Flaky	Milestone	Automation
Not set	No	-	Manual
Status	Is Muted		
Actual	No		

Pre-conditions

User's application status is "Ready"

Steps to reproduce

Step	1
Action	Navigate to the payment section
Input data	
Expected result	
Step	2
Action	Enter payment details using bank account (174-xxx-xxx) or Vodafone Cash (010xxxxxxx)
Input data	
Expected result	User successfully completes the payment securely

Check Status with invalid reference number

Verify that the user receives an error when entering an invalid reference number

Severity	Priority	Behavior	Type
O Normal	— Not set	Not set	Other
Layer	Is Flaky	Milestone	Automation
Not set	No	-	Manual
Status	Is Muted		
Actual	No		

Pre-conditions

User has accessed the application status page

Steps to reproduce

Step	1
Action	Enter an invalid reference number (INVALID123)
Input data	
Expected result	Error message indicating that the reference number is invalid should be displayed

Session Timeout

Verify that the user's session times out after a certain period of inactivity

Severity	Priority	Behavior	Type
O Normal	— Not set	Not set	Other
Layer	Is Flaky	Milestone	Automation
Not set	No	-	Manual
Status	Is Muted		
Actual	No		

Pre-conditions

User has logged into the application and is filling out the form

Steps to reproduce

Step	1
Action	Leave the session idle for 15 minutes
Input data	
Expected result	User is logged out after 15 minutes of inactivity and prompted to log in again

User Story 3

3- User Story:

As a patient, I want to schedule an appointment with my doctor online so that I can choose a convenient time without calling the office.

Acceptance Criteria:

1. The system should provide a calendar view of available appointment slots for each doctor.
2. The patient should be able to select their preferred date and time for the appointment.
3. The system should send a confirmation email and SMS to the patient after booking the appointment.
4. The appointment details should be visible in the patient's online account.
5. The system should allow the patient to reschedule or cancel the appointment with at least 24 hours' notice.
6. The system should notify the patient and doctor of any changes to the appointment status.

View Available Appointment Slots

Verify that the patient can view the available appointment Slots in the calendar view

Severity	Priority	Behavior	Type
O Normal	— Not set	Positive	Functional
Layer	Is Flaky	Milestone	Automation
Not set	No	-	Manual
Status	Is Muted		
Actual	No		

Pre-conditions

Patient is logged into the system

Steps to reproduce

Step	1
Action	Navigate to the "schedule Appointment" section
Input data	
Expected result	
Step	2
Action	View Available slots for a selected doctor
Input data	
Expected result	The calendar should show available time slots for the selected doctor

Select Preferred date and time

Verify that the patient can select a preferred date and time for the appointment

Severity	Priority	Behavior	Type
O Normal	— Not set	Positive	Functional
Layer	Is Flaky	Milestone	Automation
Not set	No	-	Manual
Status	Is Muted		
Actual	No		

Pre-conditions

Available appointment slots are displayed for the selected doctor

Steps to reproduce

Step	1
Action	Select a date (30/10/2024)
Input data	
Expected result	
Step	2
Action	Select a time(10:00 am)
Input data	
Expected result	
Step	3
Action	Click "Book Appointment"
Input data	
Expected result	The appointment should be booked for the selected date and time

Receive Confirmation Email and SMS

Verify that the system sends a confirmation email and SMS after booking the appointment

Severity	Priority	Behavior	Type
O Normal	— Not set	Positive	Functional
Layer	Is Flaky	Milestone	Automation
Not set	No	-	Manual
Status	Is Muted		
Actual	No		

Pre-conditions

The patient has booked an appointment

Steps to reproduce

Step	1
Action	Check the registered email inbox and phone for confirmation
Input data	email: patient@example.com Phone number: 01012345678
Expected result	Patient should receive both confirmation email and SMS with the appointment details

Appointment Visible in Patient's Account

Verify that the booked appointment is visible in the patient's online account

Severity	Priority	Behavior	Type
O Normal	— Not set	Positive	Functional
Layer	Is Flaky	Milestone	Automation
Not set	No	-	Manual
Status	Is Muted		
Actual	No		

Pre-conditions

The patient has booked an appointment

Steps to reproduce

Step	1
Action	Log in to the patient account
Input data	
Expected result	
Step	2
Action	Navigate to "My Appointments"
Input data	
Expected result	The booked appointments should be displayed with correct details (date, time and selected doctor)

Reschedule Appointment

Verify that the patient can reschedule an appointment with at least 24 hour's notice

Severity	Priority	Behavior	Type
O Normal	— Not set	Positive	Functional
Layer	Is Flaky	Milestone	Automation
Not set	No	-	Manual
Status	Is Muted		
Actual	No		

Pre-conditions

The patient has an upcoming appointment at least 24 hours away

Steps to reproduce

Step	1
Action	Log in to the patient account
Input data	
Expected result	
Step	2
Action	Navigate to "My Appointments"
Input data	
Expected result	
Step	3
Action	Select the appointment and choose "Reschedule"
Input data	
Expected result	
Step	4
Action	Select a new date(1/11/2024) and time(12:00 PM)
Input data	
Expected result	The appointment should be successfully rescheduled and both patient and doctor should be notified of the change

Cancel Appointment

Verify that the patient can cancel an appointment with at least 24 hours' notice

Severity	Priority	Behavior	Type
O Normal	— Not set	Positive	Functional
Layer	Is Flaky	Milestone	Automation
Not set	No	-	Manual
Status	Is Muted		
Actual	No		

Pre-conditions

The patient has an upcoming appointment at least 24 hours away

Steps to reproduce

Step	1
Action	Log in to the patient account
Input data	
Expected result	
Step	2
Action	Navigate to "My Appointments"
Input data	
Expected result	
Step	3
Action	Select the appointment and Choose "Cancel"
Input data	
Expected result	The appointment should be successfully cancelled and both patient and doctor should be notified the change

Book Appointment without selecting time

Verify the system behavior when the patient book an appointment without selecting a time slot

Severity	Priority	Behavior	Type
O Normal	— Not set	Negative	Functional
Layer	Is Flaky	Milestone	Automation
Not set	No	-	Manual
Status	Is Muted		
Actual	No		

Pre-conditions

Patient is on the appointment scheduling page

Steps to reproduce

Step	1
Action	Select a date (30/10/2024)
Input data	
Expected result	
Step	2
Action	Leave the time empty
Input data	
Expected result	
Step	3
Action	Click on "Book Appointment"
Input data	
Expected result	An error message should be displayed prompting the patient to select a time

Cancel Appointment with less than 24 hours notice

Verify the system behavior when the patient cancel an appointment with less than 24 hours' notice

Severity	Priority	Behavior	Type
O Normal	— Not set	Negative	Functional
Layer	Is Flaky	Milestone	Automation
Not set	No	-	Manual
Status	Is Muted		
Actual	No		

Pre-conditions

The patient has an upcoming appointment within 24 hours

Steps to reproduce

Step	1
Action	Cancel the appointment in less than 24 hours
Input data	
Expected result	An error message should be displayed indicating that the appointment can not be cancelled

Reschedule Appointment without selecting a new time

Verify the system behavior when a patient reschedule appointment without selecting a new time

Severity	Priority	Behavior	Type
O Normal	— Not set	Negative	Functional
Layer	Is Flaky	Milestone	Automation
Not set	No	-	Manual
Status	Is Muted		
Actual	No		

Pre-conditions

Patient has booked an appointment and is on the rescheduling page attempting to reschedule the appointment

Steps to reproduce

Step	1
Action	Enter the new date(3/11/2024)
Input data	
Expected result	
Step	2
Action	Leave the new time empty
Input data	
Expected result	An error message prompting the patient to select a new time should be displayed

Book Appointment with invalid Date

Verify the system behavior when a patient book an appointment on an invalid date (past date)

Severity	Priority	Behavior	Type
O Normal	— Not set	Negative	Functional
Layer	Is Flaky	Milestone	Automation
Not set	No	-	Manual
Status	Is Muted		
Actual	No		

Pre-conditions

Patient is on the appointment scheduling page

Steps to reproduce

Step	1
Action	Choose the Date (14/10/2023)
Input data	
Expected result	
Step	2
Action	Choose time (10:00 am)
Input data	
Expected result	
Step	3
Action	Click "Book Appointment"
Input data	
Expected result	An error message should be displayed indicating that appointment can't be booked on invalid dates

View Available slots for a fully booked doctor

Verify the system behavior when a doctor has no available appointment slots

Severity	Priority	Behavior	Type
O Normal	— Not set	Not set	Functional
Layer	Is Flaky	Milestone	Automation
Not set	No	-	Manual
Status	Is Muted		
Actual	No		

Pre-conditions

The selected doctor is fully booked and have no available slots

Steps to reproduce

Step	1
Action	Select a doctor with no available slots
Input data	
Expected result	
Step	2
Action	Check the calendar view
Input data	
Expected result	A message indicating no available slots for the selected doctor should be displayed

Appointment Booking Speed

Verify that the appointment is booked within an acceptable time frame (< 5 seconds)

Severity	Priority	Behavior	Type
O Normal	— Not set	Not set	Performance
Layer	Is Flaky	Milestone	Automation
Not set	No	-	Manual
Status	Is Muted		
Actual	No		

Pre-conditions

Patient is on appointment scheduling page

Steps to reproduce

Step	1
Action	Select a date(30/10/2024)
Input data	
Expected result	
Step	2
Action	Select a time (11:00 am)
Input data	
Expected result	
Step	3
Action	Click on "Book Appointment"
Input data	
Expected result	
Step	4
Action	Measure the time the system takes to confirm the booking
Input data	
Expected result	Appointment should be booked within 5 seconds