



Depi Graduation Project

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01

Introduction

1. Project Overview

➡ Manual Testing ➡ Automated Testing

2. Problem Statement

Inconsistent or insufficient testing can lead to software defects that affect user experience

3. Objectives & Goals

- ➡ Write manual TCs to cover all user stories
- ➡ Automate key scenarios for LUMA website



02

Project Requirements

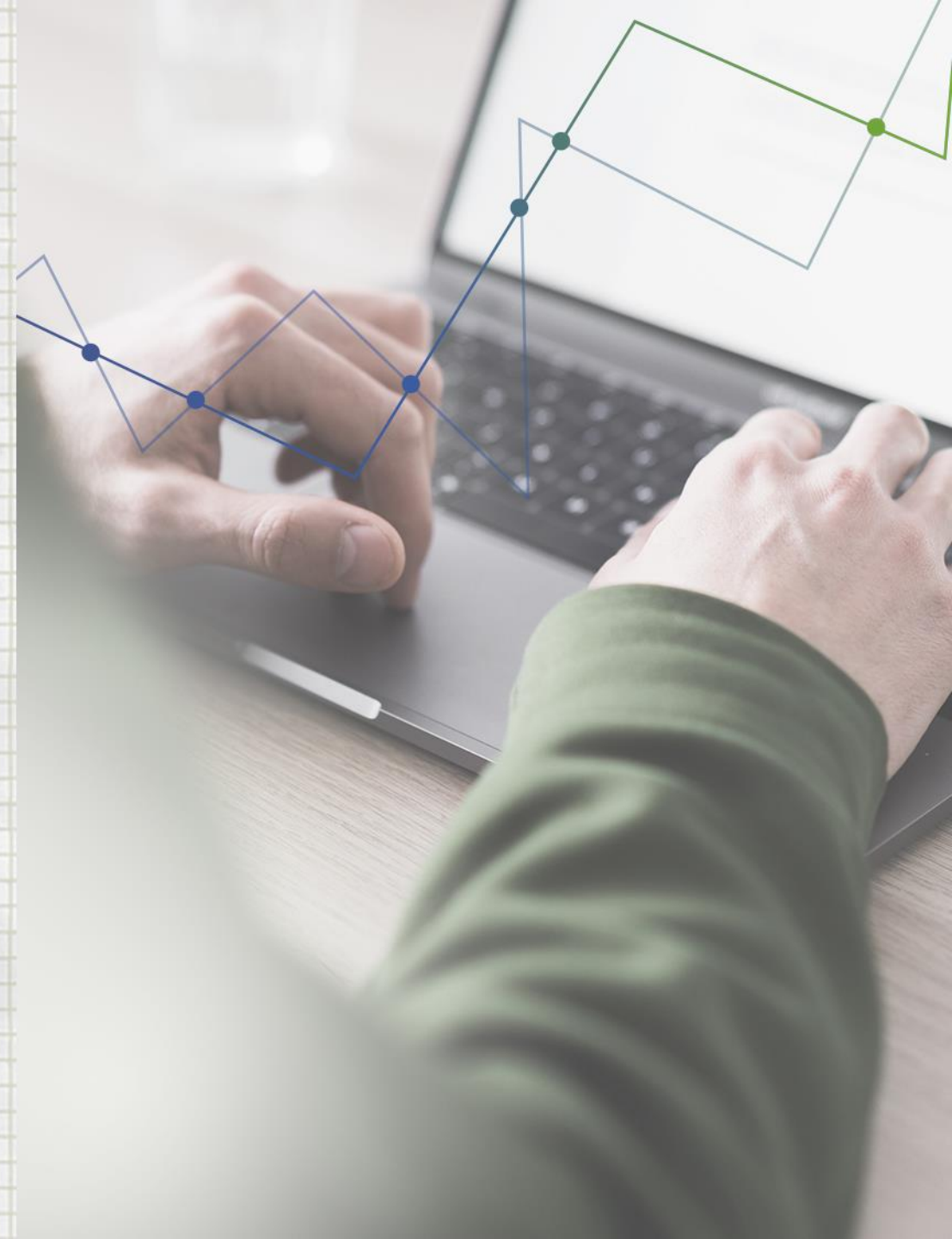
1. Manual Testing Requirements



2. Automation Testing Requirements



TestNG



03 Implementation

1. Manual Testing Implementation



Manual Testing Project-Esraa Yehia & Sandra Sami.pdf



03 Implementation, Ctd.









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.

User Story 1 +

—		DGP-25	Displaying list of product categories
—		DGP-26	Select one category
—		DGP-27	Select Multiple Categories
—		DGP-28	Clear Category Filters
—		DGP-29	Dynamic Update of product count
—		DGP-30	Selected filters visibility
—		DGP-31	Filtering on Desktop and Mobile Views
—		DGP-32	Clearing filters with no categories applied
—		DGP-33	No Products in Selected category
—		DGP-34	Combination of Empty and Filled Categories

03 Implementation, Ctd.

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))

User Story 2 +



—	👤	DGP-1	Accessibility to Passport Application Form
—	👤	DGP-2	Filling out and Submitting Passport Application with Valid Data
—	👤	DGP-4	Real-Time Data Validation
—	👤	DGP-5	Save Progress and Resume Application
—	👤	DGP-8	Receiving Confirmation Email
—	👤	DGP-9	Check Application Status
—	👤	DGP-10	Pay Application Fee
—	👤	DGP-11	Check Status with invalid reference number
—	👤	DGP-12	Session Timeout

03 Implementation, Ctd.

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.

User Story 3



—	👤	DGP-13	View Available Appointment Slots
—	👤	DGP-14	Select Preferred date and time
—	👤	DGP-15	Receive Confirmation Email and SMS
—	👤	DGP-16	Appointment Visible in Patient's Account
—	👤	DGP-17	Reschedule Appointment
—	👤	DGP-18	Cancel Appointment
—	👤	DGP-19	Book Appointment without selecting time
—	👤	DGP-20	Cancel Appointment with less than 24 hours notice
—	👤	DGP-21	Reschedule Appointment without selecting a new time
—	👤	DGP-22	Book Appointment with invalid Date

03 Implementation

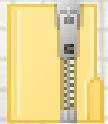
2. Automation Testing Implementation



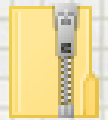
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Cucumber_registration_login.rar



TestNG_LandingPage_Wishlist.zip



Cucumber_ LandingPage_Wishlist.zip



DepiGraduationProjectExcelTask.zip



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Project Outcome

1. Final Outcome:



2. Both manual and automated testing provided comprehensive validation of core functionalities , ensuring a bug-free and user-friendly experience.

2. Key Achievements:



- Comprehensive test case writing for manual testing.
- Successful automation of key e-commerce scenarios.



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Challenges & Solutions

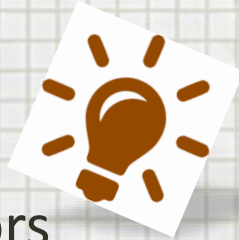
Challenge:

Selenium tests fail to run in IntelliJ



Solution:

Ensure all Maven dependencies are up to date and the WebDriver is correctly configured, ensure all locators are right.



Lessons Learned:

Automating repetitive tasks reduces manual effort, but manual testing is still essential for user scenarios.



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Acknowledgements



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Questions?
Thank you