

# AUTOMATION PROJECT

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**Yousef Sabet**



# Project Agenda

1) Project Overview

2) Software Testing Life Cycle

3) Requirements Analysis & SRS

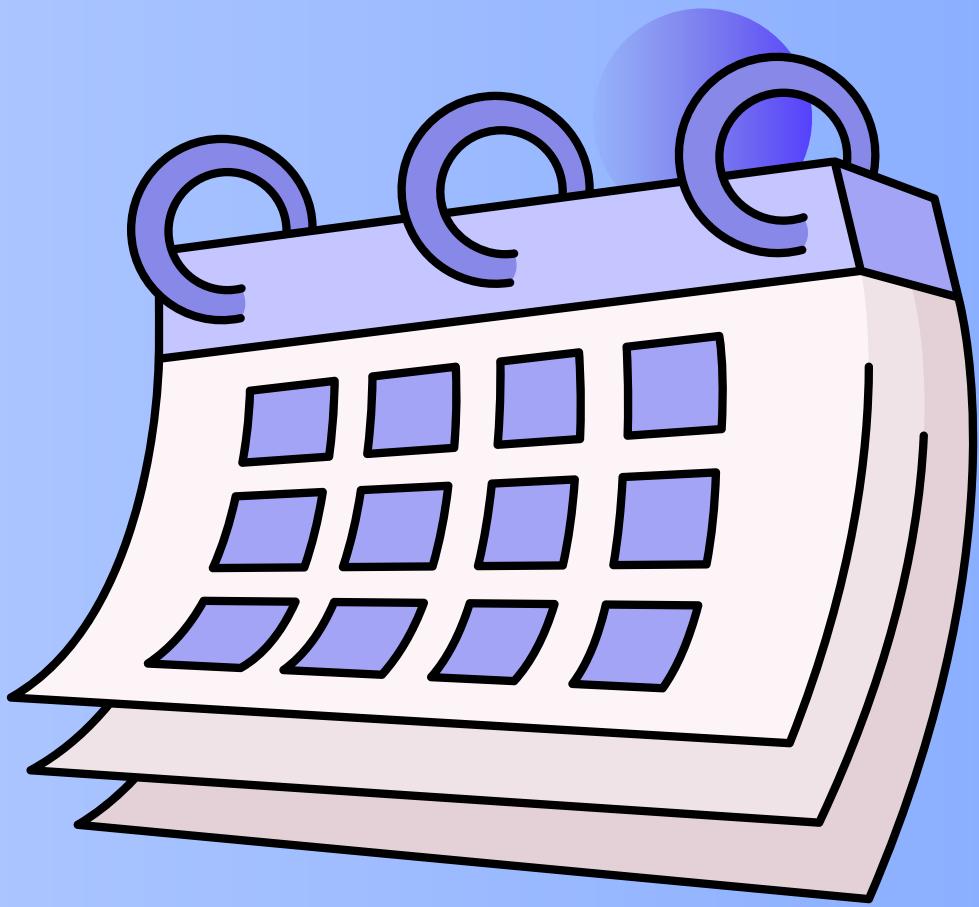
4) Test plan

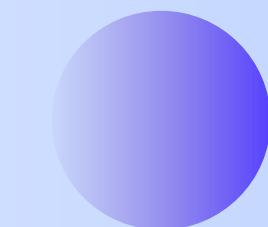
6) Team Responsibilities

7) Test Design

8) Test Execution

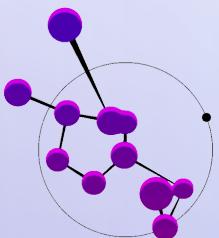
9) Test Result





# nopCommerce summary

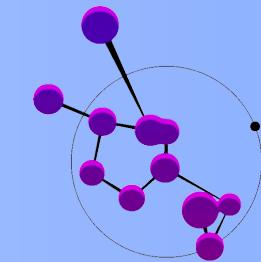
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is an open-source eCommerce platform used to build online stores.

It offers a full range of features including product management, orders, payments, shipping, customer management, and promotions.

It is user-friendly, highly customizable, and suitable for any business size

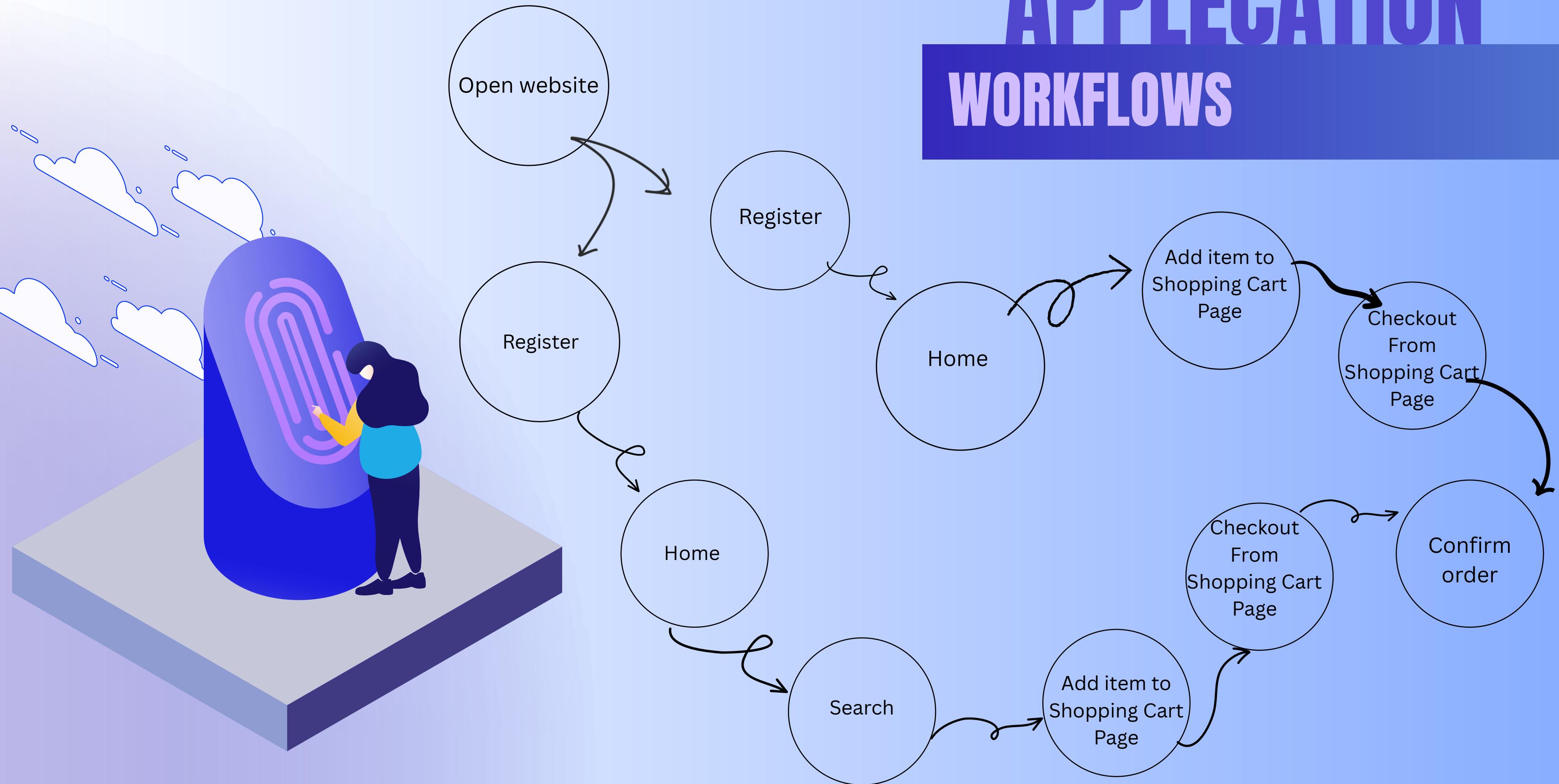


# WEBSITE BUSINESS REQUIREMENTS (FOR USERS)

- The system must allow users to **register & log in** securely.
- The system must let users **browse & search products** easily.
- The system must allow users to **add items to a Wishlist**.
- The system must allow users to **add items to the cart & Check Out**.

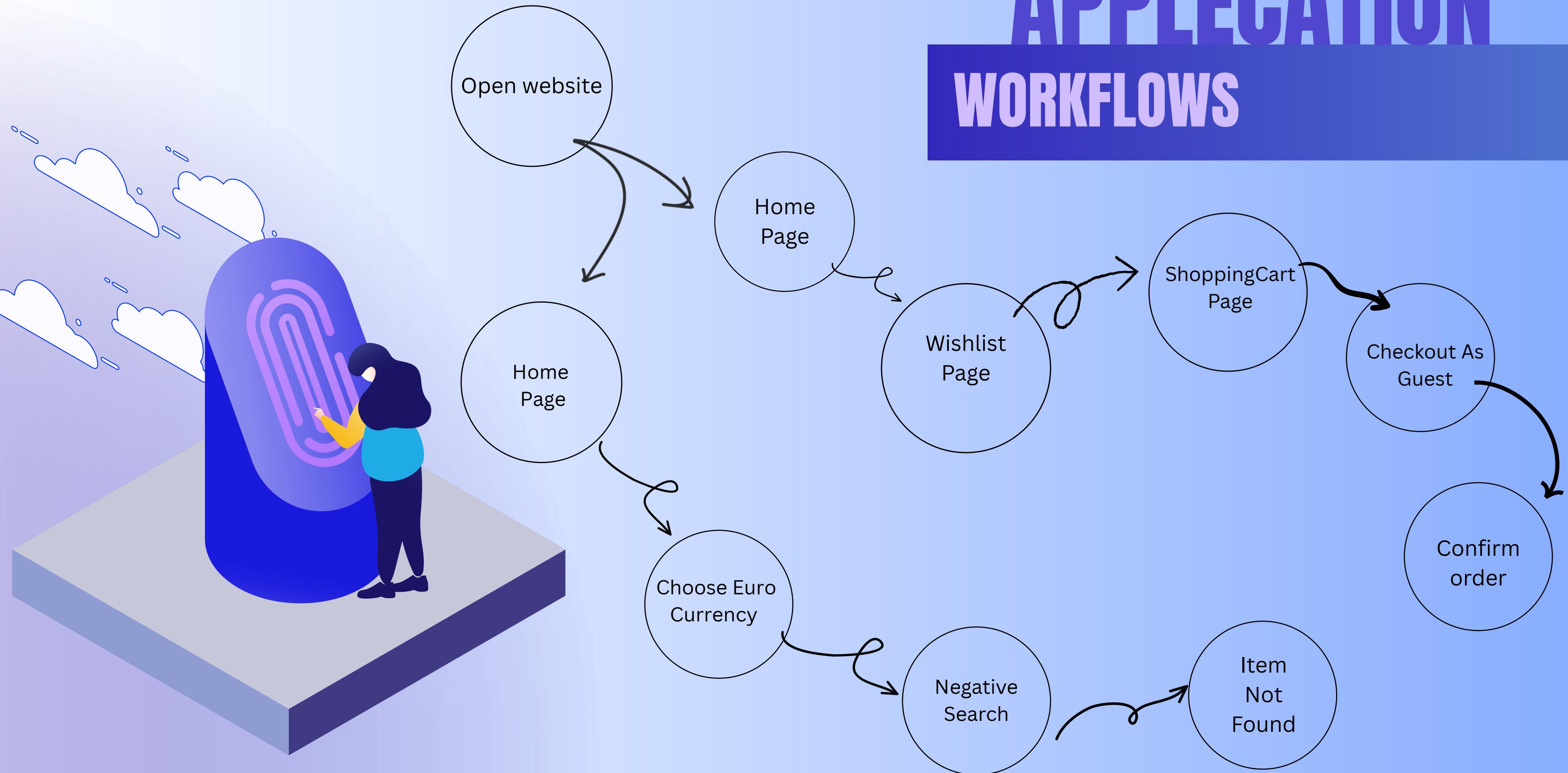
# APPLECATION

## WORKFLOWS



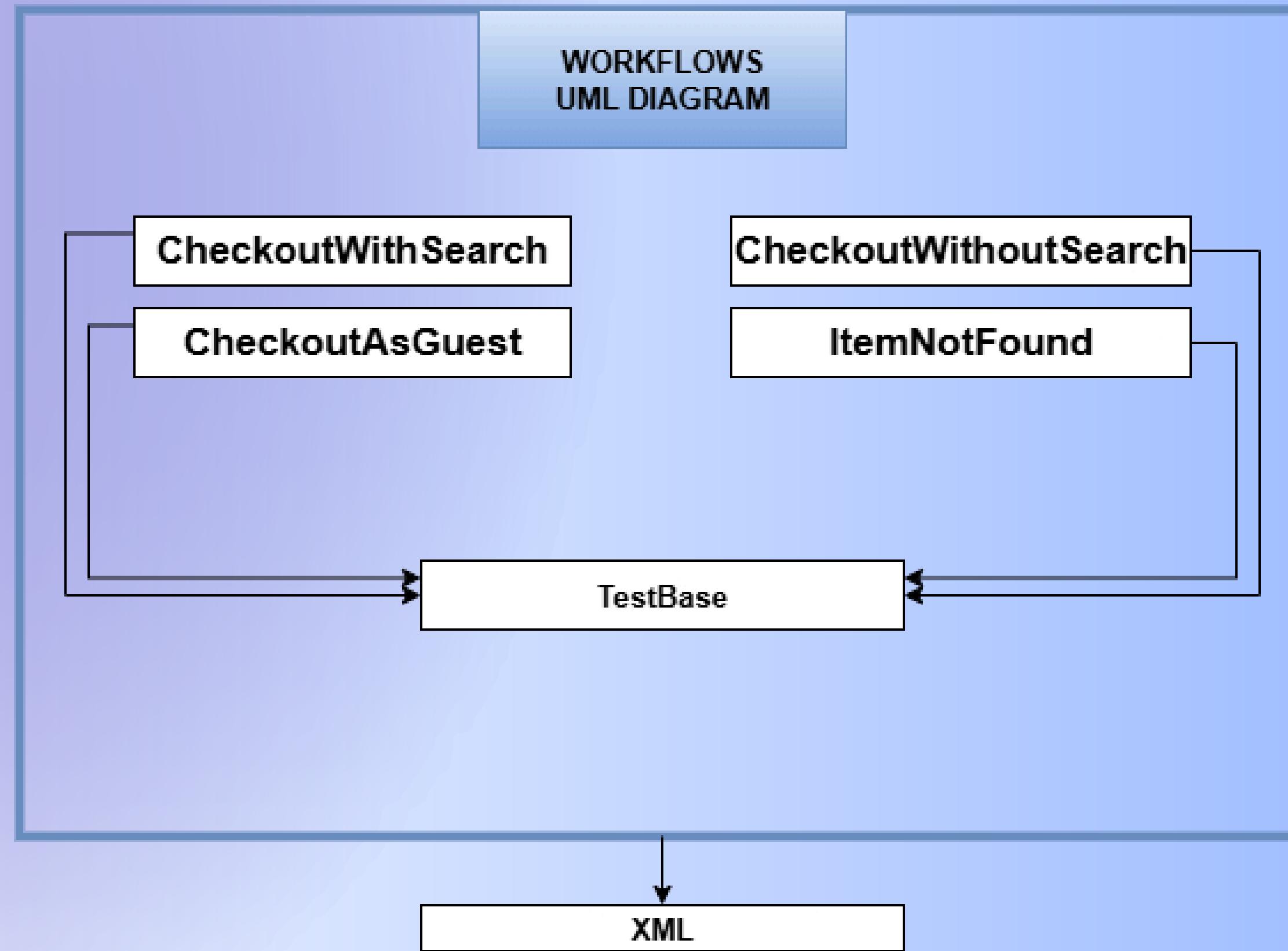
# APPLECATION

## WORKFLOWS



# APPLECATION

# WORKFLOWS UML DIAGRAM



# **SOFTWARE TESTING**

# **LIFE CYCLE**

- 01 Requirements Analysis**
- 02 Test Planning**
- 03 Test Design**
- 04 Test Execution**
- 05 Test Summary**



SRS

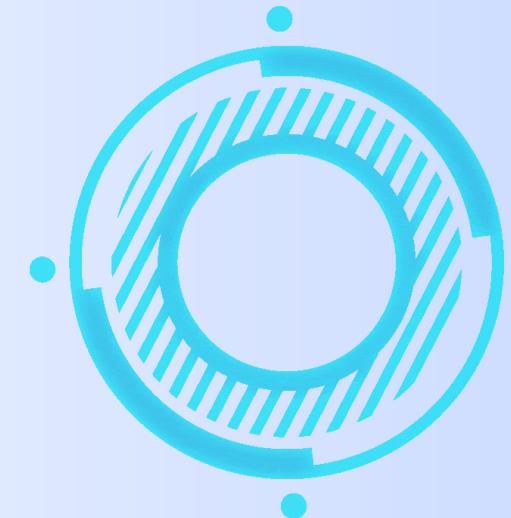
# REQUIREMENTS ANALYSIS

- We started by carefully analyzing the system requirements.
- As a result, we created the Software Requirements Specification (SRS) document.





Test Plan



# TEST PLAN

- Based on the SRS document, we defined the overall testing objectives, scope, and strategy.
- As a result, we created the Test Plan document, which guides the entire testing process and ensures proper resource and timeline management.





Test Plan



**Scope: included main features**



**Acceptance Criteria:**

- Works correctly on Chrome.
- ≥ 85% automation pass rate.

**Approach: Agile, focus on automation.**

**Tools: Selenium, TestNG, Java, Trello, GitHub, Eclipse, Mockaroo.**

# TEAM RESPONSIBILITIES

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**Register + Login : Aya Shanteer**

**Wishlist + Shopping Cart : Abdelrahman Murad**

**Search + DropDown : Yousef Sabet**

**HomePage + Computer Desktop : Majd Abu Hassanien**

# TEST DESIGN



- Based on the assigned requirements, each team member wrote the test cases related to their features.
  - All test cases were designed according to the SRS and covered both positive and negative scenarios



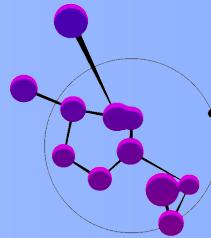
# TEST

## EXECUTION

- All test cases were executed manually first to validate the functionality.
- For features requiring automation, we implemented automated test scripts using Selenium and TestNG.
- Each team member executed the test cases related to their assigned requirements.



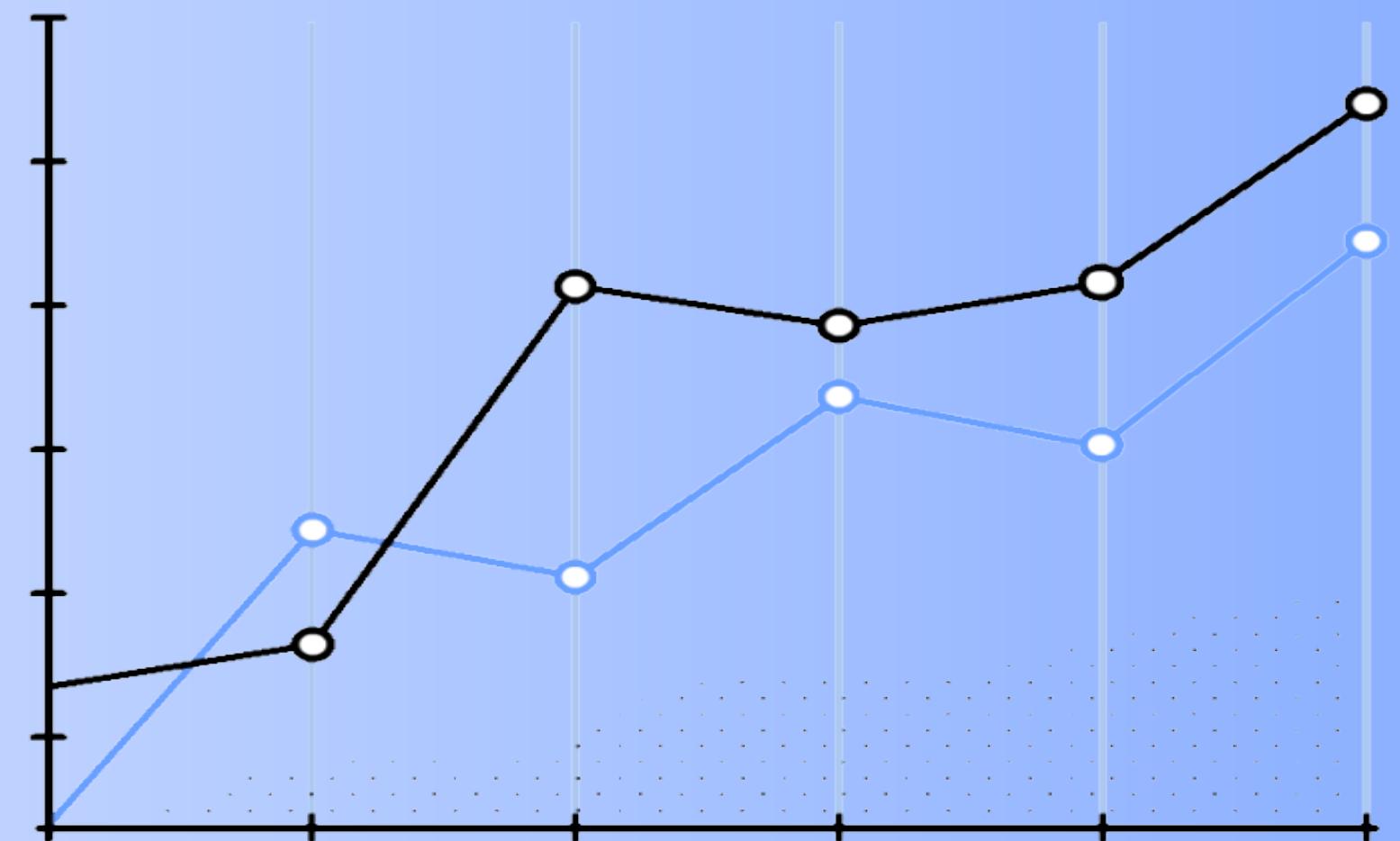
[Github](#)



# TEST RESULTS

**Our team worked together to create**

- Bug Report
- RTM (Requirements Traceability Matrix)
- Test Summary





Bug Report

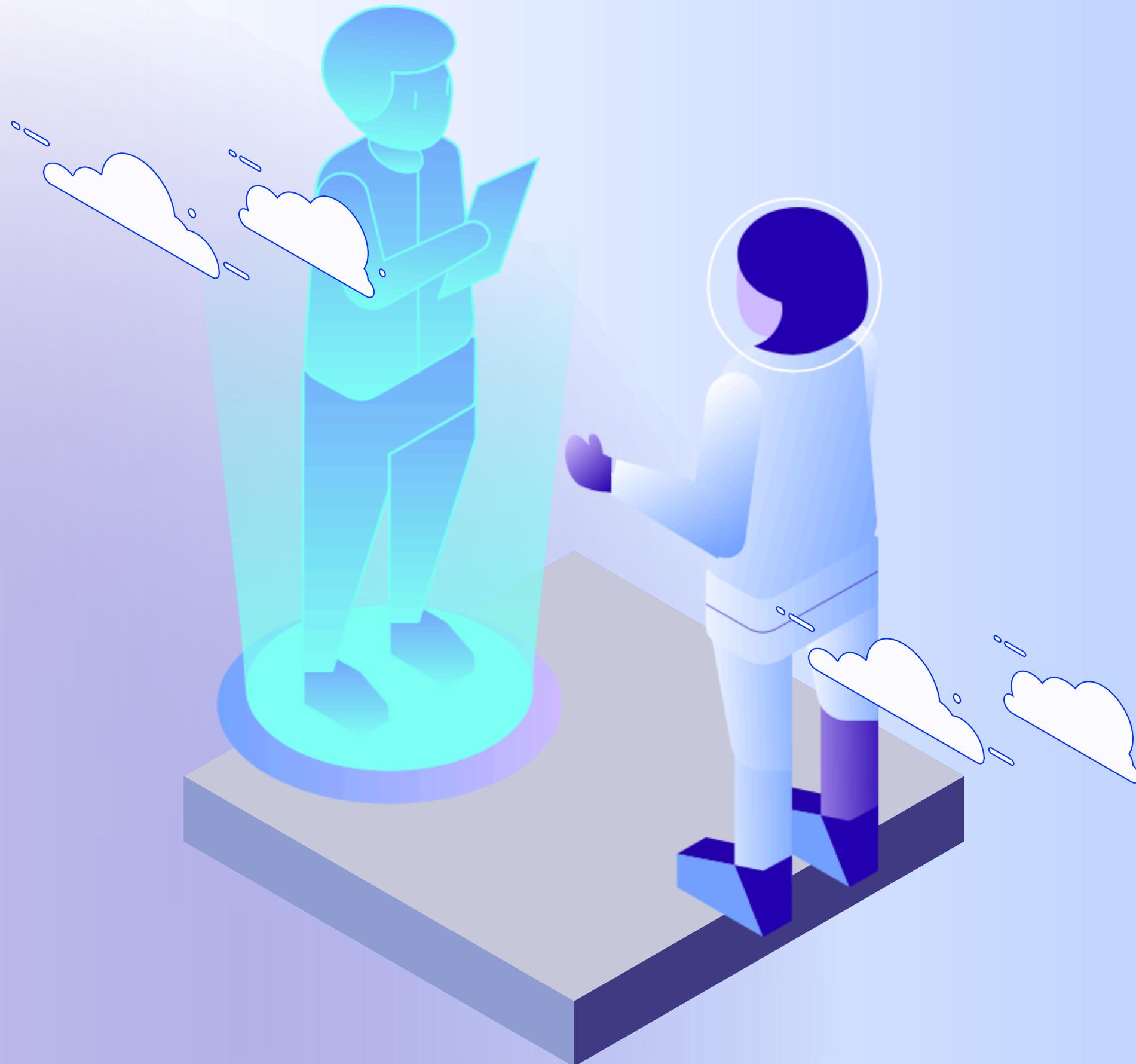
# BUG REPORT



-Each team member worked on the Bug Report, recording & documenting defects found during testing

- Example: When attempting to recover the password, the system doesn't send a reset link to the registered email.





# RTM

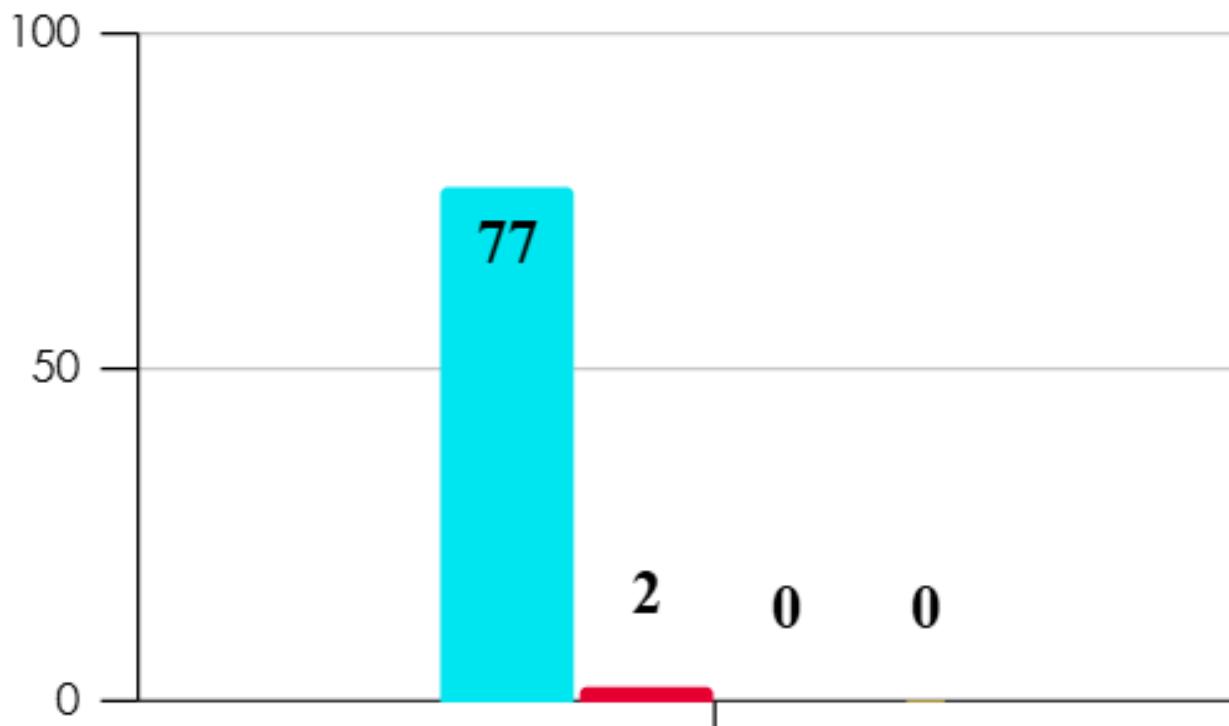
## (REQUIREMENTS TRACEABILITY MATRIX)

- We created an RTM to link requirements with their corresponding test cases.
- We ensured complete coverage between requirements and test cases.
- We verified that all requirements were tested through the RTM.

# TEST SUMMARY

## MANUAL TESTING

### Test Execution status



## TESTNG/ SELENIUM REPORTS

Test	# Passed	# Skipped	# Retried	# Failed	Time (ms)	Included Groups	Excluded Groups						
nopCommerce Test Suite													
All Tests	61	0	0	0	197,298								
Class	Method						Start						
nopCommerce Test Suite													
All Tests — passed													
tests.ComputersDesktopsPageTest	<a href="#">DESK_01_NavigateToDesktops</a>						1757007919856						
	<a href="#">DESK_02_ListIconSwitchesLayoutToListView</a>						1757007921058						
tests.DropoutTest	<a href="#">TC_Dropdown_010_sortNameAtoZ</a>						1757008051697						
	<a href="#">TC_Dropdown_011_display9</a>						1757008052177						
	<a href="#">TC_Dropdown_012_sortPriceLowToHigh</a>						1757008052532						
	<a href="#">TC_Dropdown_013_display18</a>						1757008052918						
	<a href="#">TC_Dropdown_014_sortPriceHighToLow</a>						1757008053302						
	<a href="#">TC_Dropdown_015_sortCreatedOn</a>						1757008053696						
	<a href="#">TC_Dropdown_016_currencyEuro</a>						1757008054091						
	<a href="#">TC_Dropdown_017_categoryElectronics</a>						1757008054994						
tests.FooterPageTest	<a href="#">TC_FOOTER_01_VerifyFooterLinksClickable</a>						1757007922450						
	<a href="#">TC_FOOTER_02_VerifySocialIconsClickable</a>						1757007922882						
	<a href="#">TC_FOOTER_03_VerifyNewsletterSubscription</a>						1757007922942						
tests.HomePageTest	<a href="#">TC_HOME_01_LogоРedirectsToHome</a>						175700790459						
	<a href="#">TC_HOME_02_votingisrestricted</a>						1757007910874						
tests.LoginTest	<a href="#">accessToMyAccount</a>						1757007893444						
	<a href="#">clickEyeIcon</a>						1757007885930						
	<a href="#">clickRegister</a>						1757007888001						
	<a href="#">inValidLogin</a>						1757007883721						
	<a href="#">inValidLogin</a>												
	<a href="#">logout</a>						1757007895473						
	<a href="#">openLoginPage</a>						1757007878407						
	<a href="#">sendUnregisteredEmail</a>						1757007905248						
	<a href="#">testForgotPasswordButton</a>						1757007902540						
	<a href="#">testRememberMeButton</a>						1757007898127						
	<a href="#">validLogin</a>						1757007890737						

# THANK YOU!