



Manual Testing nopcommerce

Project Based Experience Learning Program



SRI VENKATESWARA COLLEGE OF ENGINEERING

Project submitted by:-

TEAM LEADER: Rampati Geetha Sree

TEAM MEMBERS:

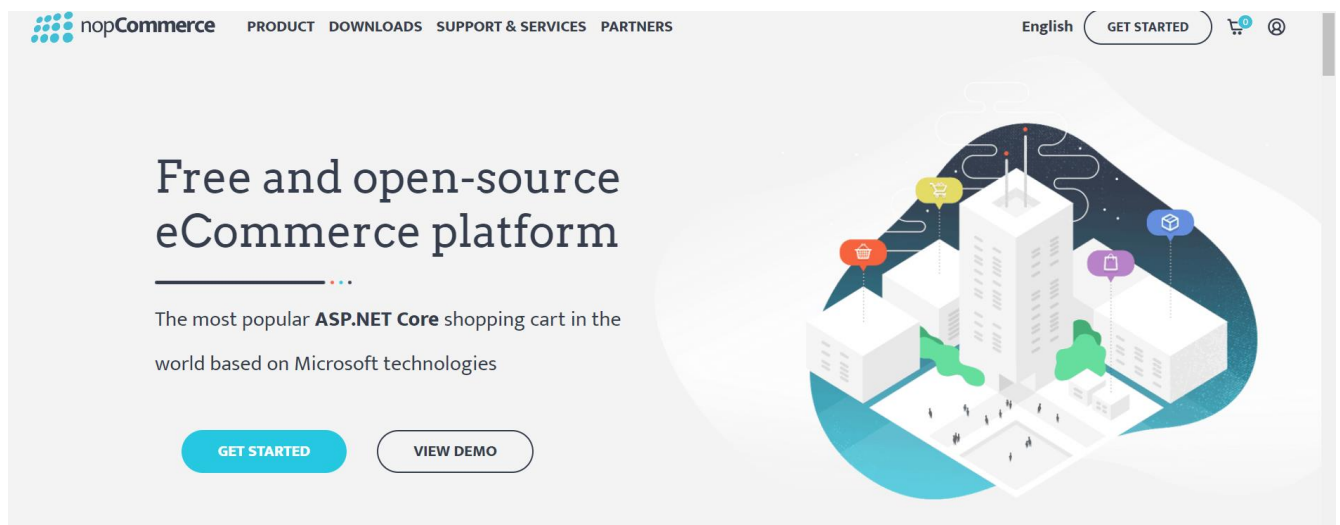
- 1. R.Manasa**
- 2. S.Maheswari**
- 3. S.Suleman**
- 4. S.Shareemullah**

nopcommerce Manual Testing

nopCommerce is the best open-source eCommerce shopping cart solution. nopCommerce is free, and it is the most popular ASP.NET eCommerce platform. The first nopCommerce version was released in 2008. At that time there were no free and open-source shopping carts that would not impose the limitations on business processes and flow hence the essential goal for nopCommerce was to fix that.

The high quality of the product and its constant development led to creating the global nopCommerce community of over 250,000 members. The philosophy of the open-source product allows us to receive the contribution of developers and businesses from around the world. That helps us to grow faster and meet the highest security and technology standards.

nopCommerce HOME PAGE:



Link: <https://www.nopcommerce.com/en>

Project Flow:

- User can use ecommerce platform
- User can register once and continue seeing ecommerce business maintenance
- User can login as admin & front-end/user resource and monitor the business
- User can also configure dashboard all setup related to ecommerce business

Modules Structure:

We have different modules in this all the modules are listed below,

- PRODUCT
 - Store demo
 - Showcase
 - Features
 - Why for developers
 - Why for store owners
 - Industries
- DOWNLOADS
 - Download nopCommerce
 - Marketplace
 - Translations
 - Copyright removal key
 - Mobile application
 - Web API
- SUPPORT&SERVICES
 - Training
 - Documentation
 - Community forums
 - Premium support services
 - Request a quote
 - Contact us
- PARTNERS
- CHANGE LANGUAGE
- GET STARTED
- CART
- ACCOUNT
 - Log in
 - Register
- GET STARTED
- VIEW DEMO

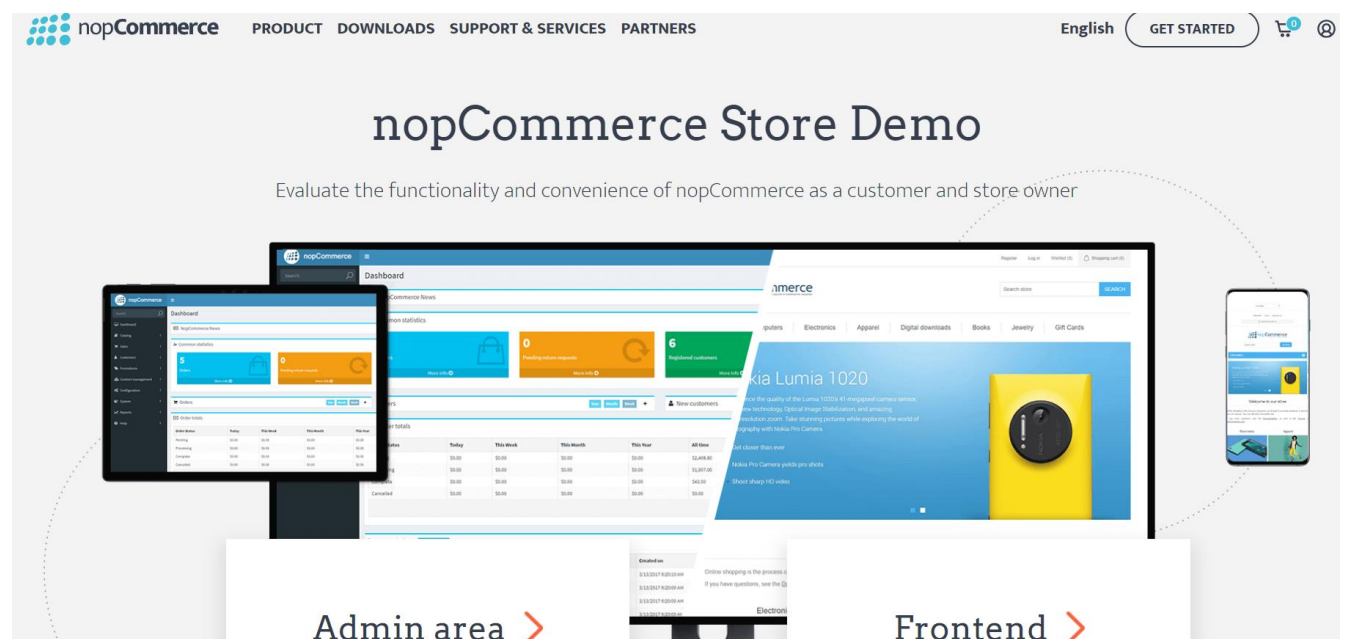
Milestone 1: PRODUCT Module

PRODUCT section for various options with Store demo, Showcase, Features, Why for developers, why for store owners, Industries



Link: <https://www.nopcommerce.com/en>

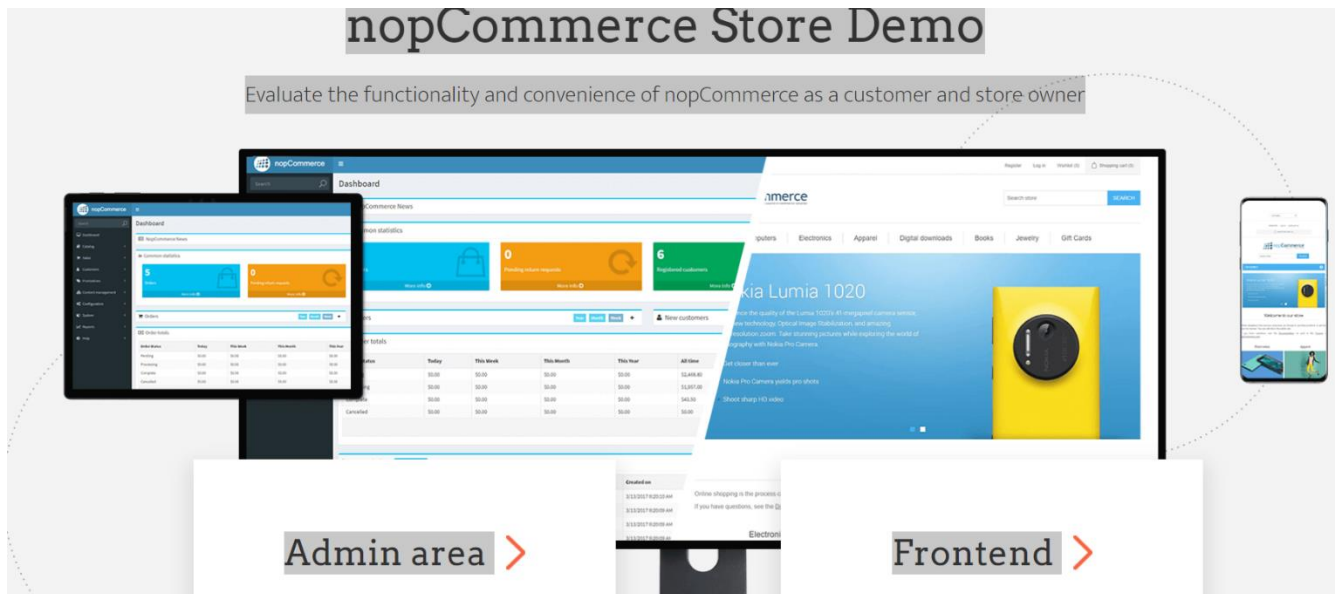
Activity 1: Verifying Store Demo sub module when user clicked on it to see page navigation



Link: <https://www.nopcommerce.com/en/demo>

Activity 1.1: Verifying all the text available on screen

Verifying various text available on the screen to make sure all data is represented correct and verify Admin area, Frontend links



Link: <https://www.nopcommerce.com/en/demo>

Activity 1.2: Verifying Admin area page functionality the labels and buttons colors, font , alignment etc...

Admin area demo

Welcome, please sign in!

Email:

Password:

☐ Remember me?

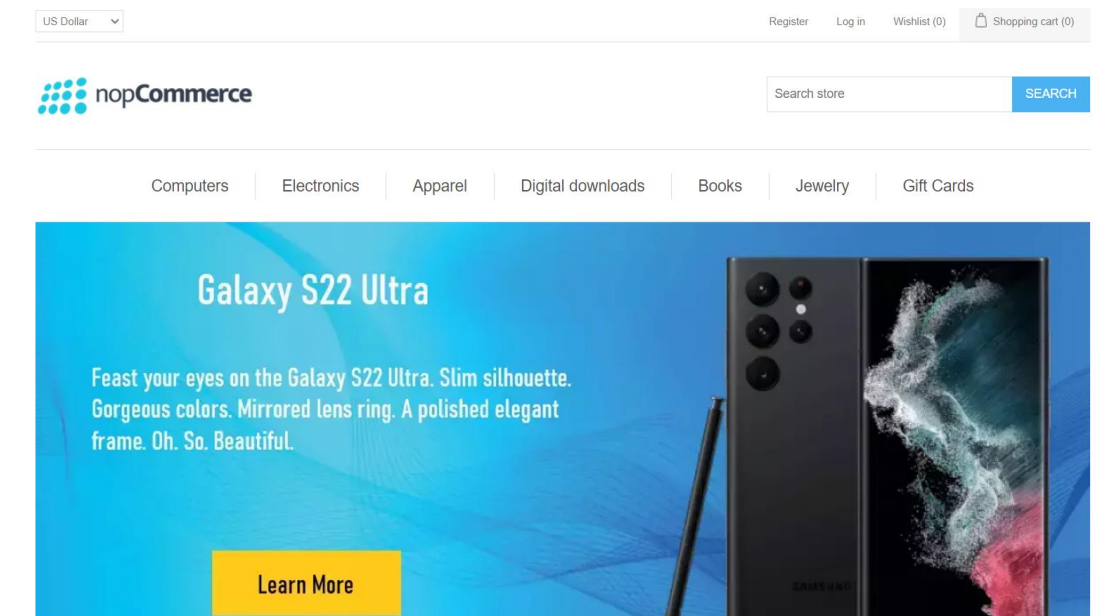
[LOG IN](#)

Defaults for admin area

Admin email: admin@yourstore.com
Admin password: admin

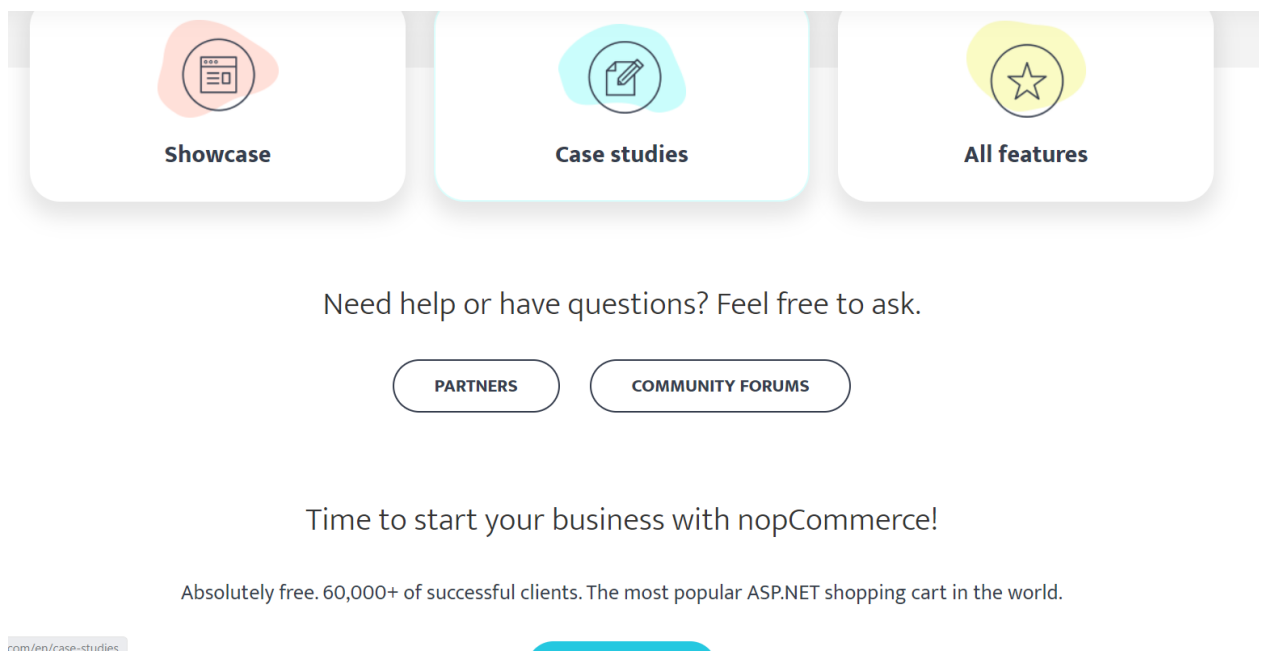
Link: <https://admin-demo.nopcommerce.com/login?ReturnUrl=%2Fadmin%2F>

Activity 1.3: Verifying Frontend button functionality after clicking it will navigate to other page where we have a chance to view different options available for an end user



Link: <https://demo.nopcommerce.com/>

Activity 1.4: Verifying link functionalities for each individual button , font, alignment, spellings



Link: <https://www.nopcommerce.com/en/demo>

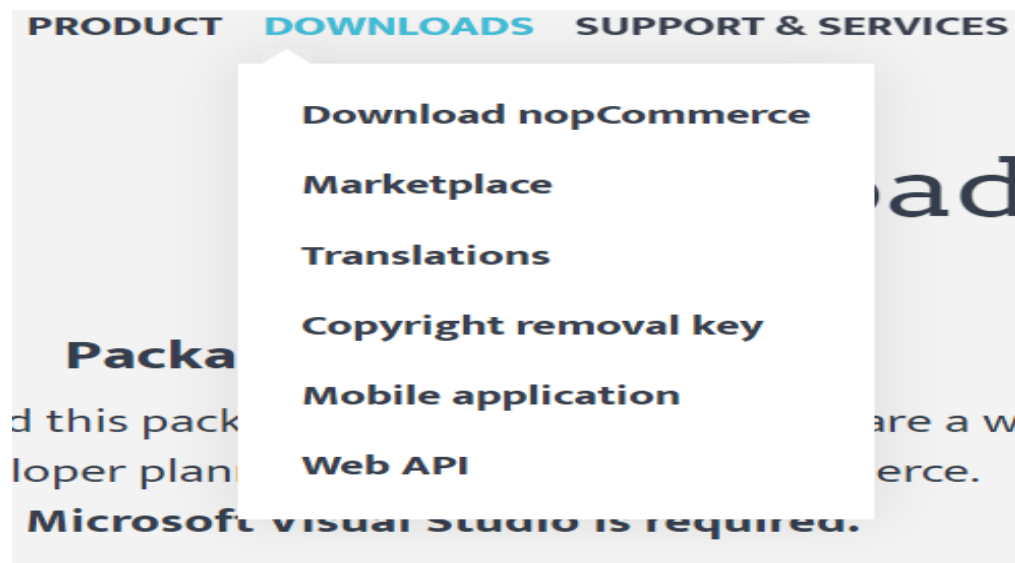
Verifying each and every button, links functionality, upon clicking each link is it navigating to desired links are not.

Activity 1.5: Verifying links are navigating to desired page

In simple words, when a user clicks on sub module links it has to navigate to desired link and show the desired pages accordingly.

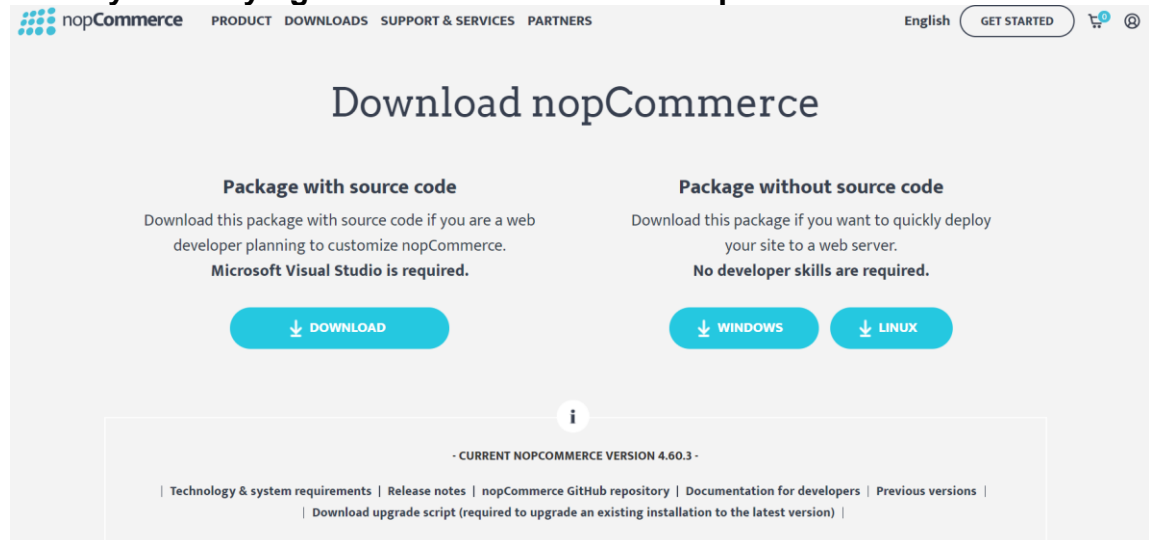
Milestone 3: Verifying DOWNLOADS module

DOWNLOADS section for various options with Download nopCommerce, Marketplace, Translations, Copyright removal key, Mobile application, Web API



Link: <https://www.nopcommerce.com/en/demo>

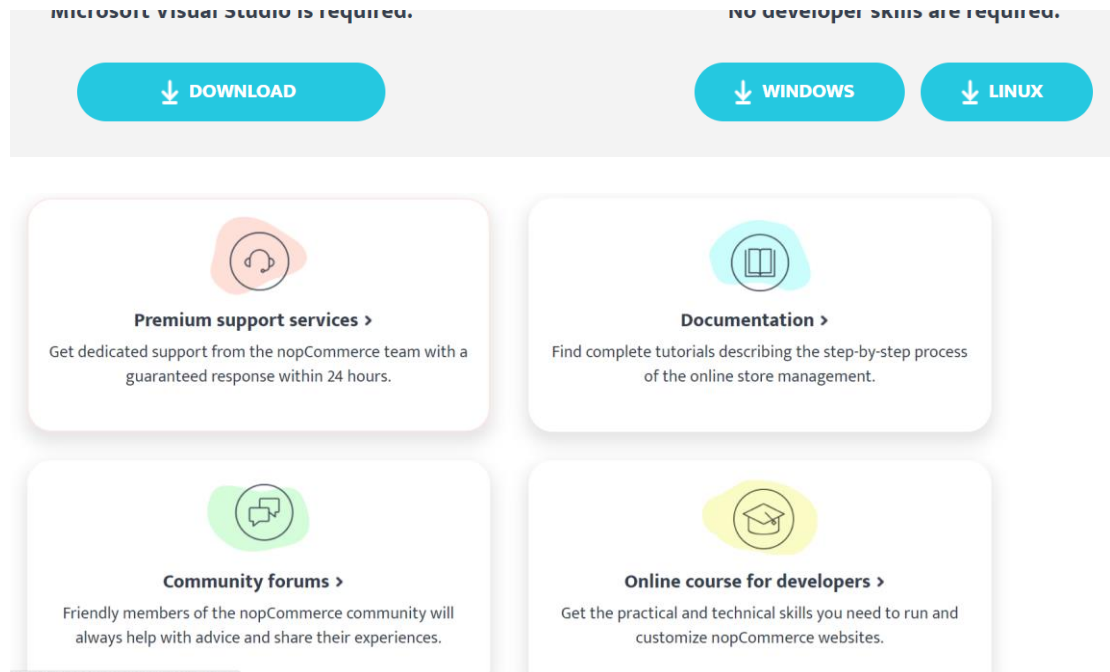
Activity 1: Verifying Download noCommerce Option from DOWNLOADS module



Link: <https://www.nopcommerce.com/en/download-nopcommerce>

Activity 1.1: Verifying link functionalities for each individual buttons

Verifying each and every button links functionality, upon clicking each link is it navigating to desired links are not

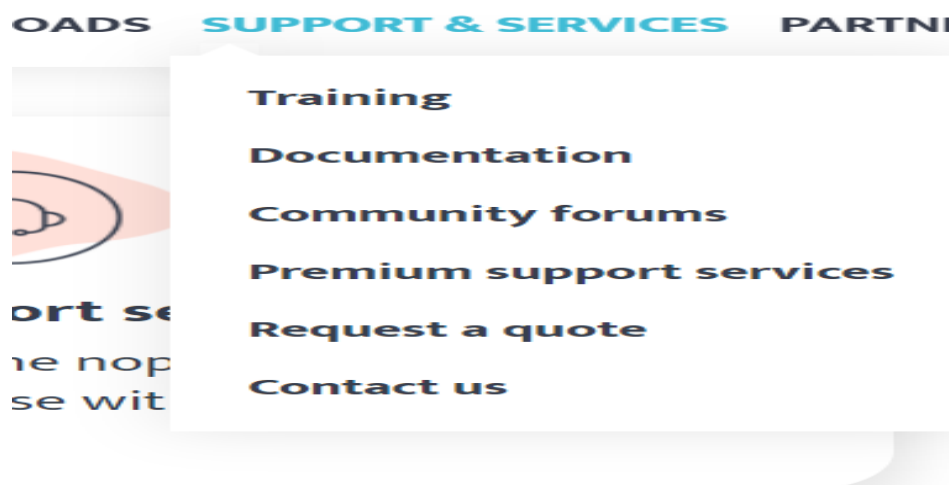


Link: <https://www.nopcommerce.com/en/download-nopcommerce>

Activity 1.2: Verifying links are navigating to desired page

In simple words, when a user clicks on sub module links it has to navigate to desired link and show the desired pages accordingly.

Milestone 4: Verifying SUPPORT & SERVICES Module



Link: <https://www.nopcommerce.com/en>

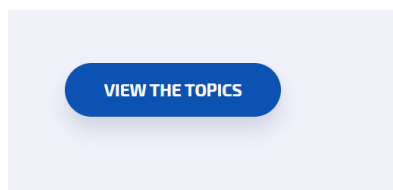
Activity 1: Verifying Training Option from SUPPORT & SERVICES module



Link: <https://www.nopcommerce.com/en/training>

Activity 1.1: Verifying link functionalities for each individual button

Verifying each and every button links functionality, upon clicking each link is it navigating to desired links are not.

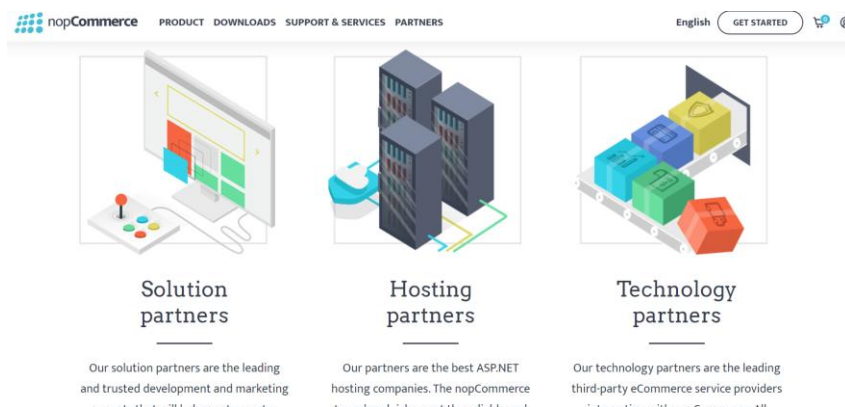


Link: <https://www.nopcommerce.com/en/training>

Activity 1.2: Verifying links are navigating to desired pages.

In simple words, when a user clicks on sub module links it has to navigate to desired link and show the desired pages accordingly.

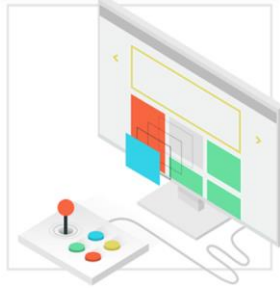
Milestone 5: Verifying PARTNERS Module



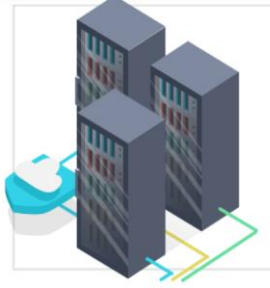
Link: <https://www.nopcommerce.com/en/partners>

Activity 1.1: Verifying link functionalities for each individual button

Verifying each and every button links functionality, upon clicking each link is it navigating to desired links are not.



Solution
partners



Hosting
partners



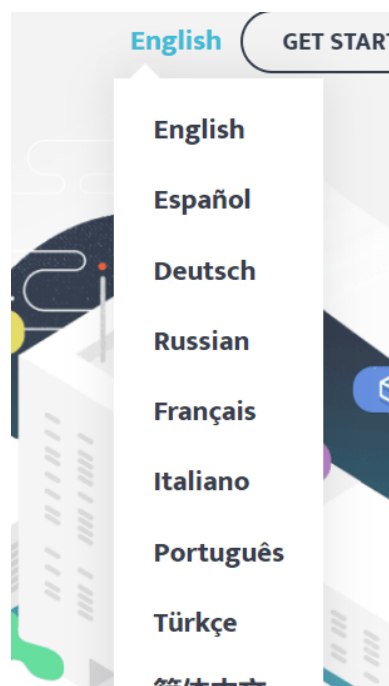
Technology
partners

Link: <https://www.nopcommerce.com/en/partners>

Activity 1.2: Verifying links are navigating to desired pages

In simple words, when a user clicks on sub module links it has to navigate to desired link and show the desired pages accordingly.

Milestone 6: Verifying CHANGE THE LANGUAGE Section

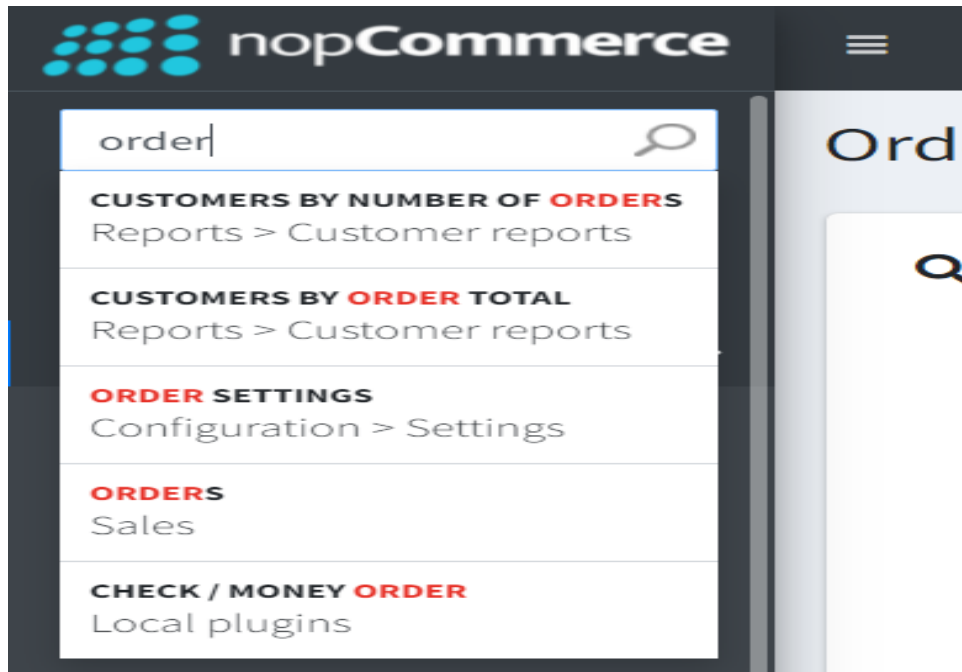


Verify User can change the language from 'Language 'section.

Link: <https://www.nopcommerce.com/en/download-nopcommerce>

www.smartinternz.com

Milestone 7: Verifying user can search orders, sales etc. functionality with admin login



Link: <https://admin-demo.nopcommerce.com/admin/>

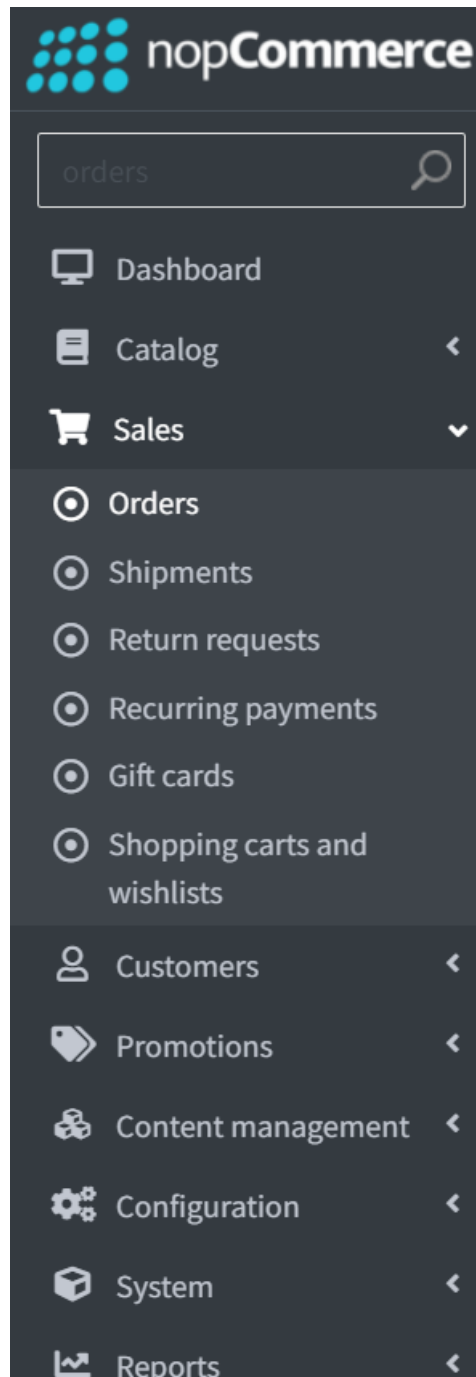
Activity 1.1: Verifying search functionality by entering orders text in search box and hit search button to get results related to orders

A screenshot of the nopCommerce admin interface showing the search results for 'orders'. The top navigation bar is dark blue with the nopCommerce logo on the left and a hamburger menu icon on the right. Below the navigation bar, there is a search bar with the text 'orders' entered. A dropdown menu is visible below the search bar, showing several options: 'CUSTOMERS BY NUMBER OF ORDERS' (with 'ORDERS' in red), 'CUSTOMERS BY ORDER TOTAL' (with 'ORDER' in red), 'ORDER SETTINGS', 'ORDERS' (with 'Sales' below it), and 'CHECK / MONEY ORDER' (with 'ORDER' in red). The background of the interface is light gray. Below the search bar, there is a table with 5 orders. The table has columns for Order #, Order status, Payment status, Shipping status, Customer, Store, Created on, Order total, and View. The data is as follows:

Order #	Order status	Payment status	Shipping status	Customer	Store	Created on	Order total	View
5	Complete	Paid	Delivered	victoria_victoria@nopCommerce.com	Your store name	03/13/2017 4:20:10 AM	\$43.50	View
4	Processing	Paid	Shipped	brenda_lindgren@nopCommerce.com	Your store name	03/13/2017 4:20:09 AM	\$102.00	View
3	Pending	Pending	Shipping not required	james_pan@nopCommerce.com	Your store name	03/13/2017 4:20:09 AM	\$8.80	View
2	Pending	Pending	Not yet shipped	arthur_holmes@nopCommerce.com	Your store name	03/13/2017 4:20:09 AM	\$2,460.00	View
1	Processing	Paid	Not yet shipped	steve_gates@nopCommerce.com	Your store	03/13/2017 4:20:09 AM	\$1,855.00	View

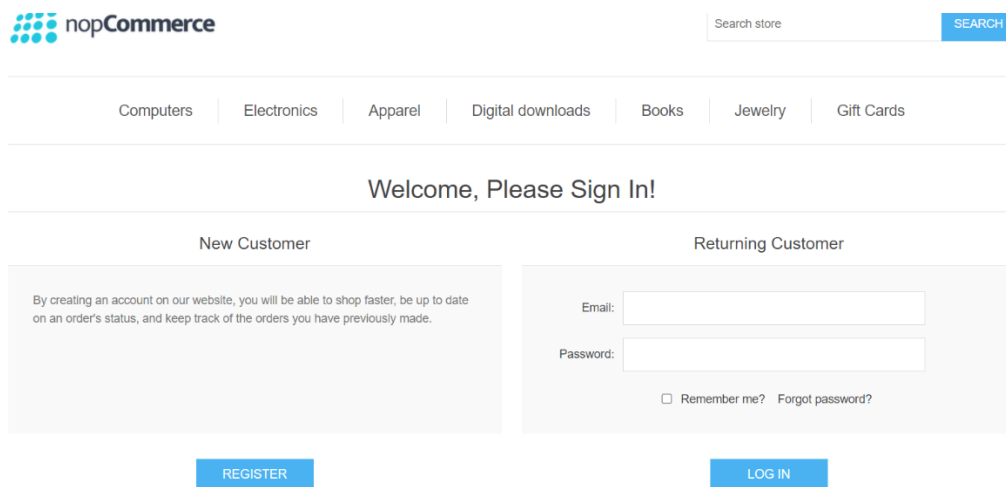
Link: <https://admin-demo.nopcommerce.com/admin/>

Activity 1.2: Verifying Different menu options available in admin login and user can see orders, shipments, return requests, recurring payments, Gift cards etc..



Link: <https://admin-demo.nopcommerce.com/admin/>

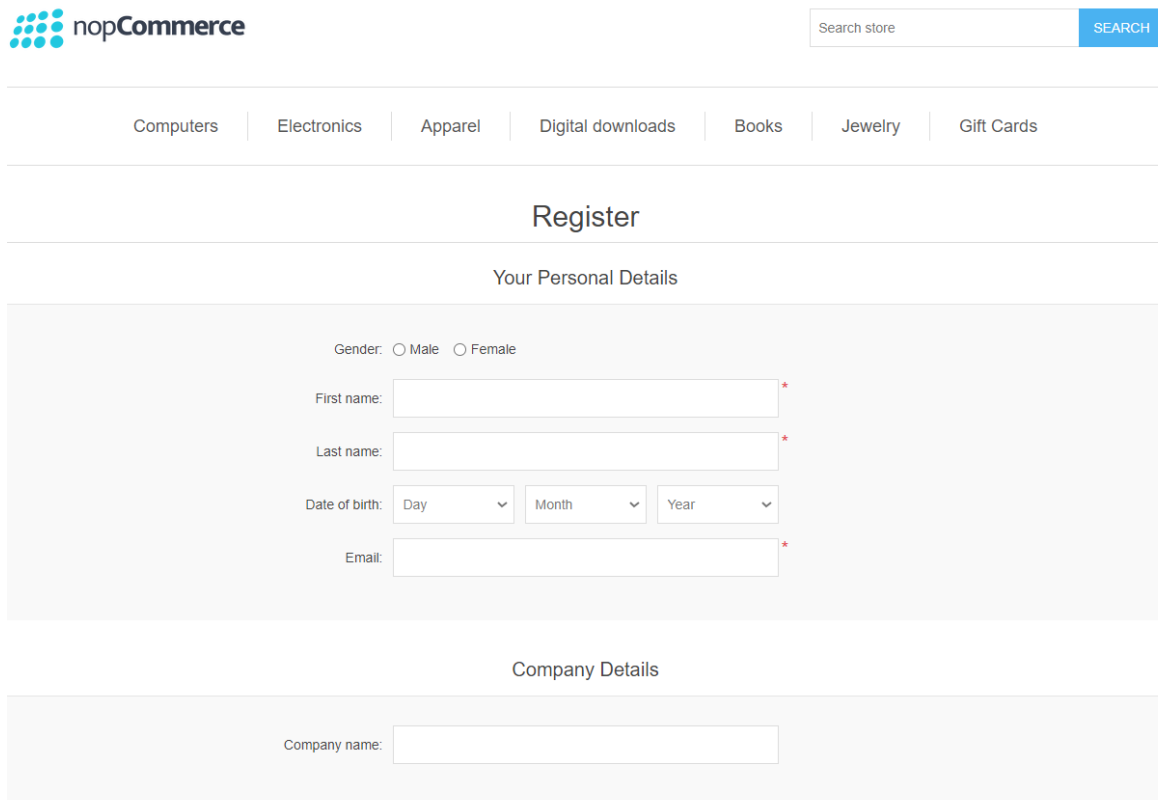
Milestone 8: Verifying user can register from registration page



The screenshot shows the nopCommerce login page. At the top left is the nopCommerce logo. To the right is a search bar with the text "Search store" and a blue "SEARCH" button. Below the search bar is a horizontal menu with links: Computers, Electronics, Apparel, Digital downloads, Books, Jewelry, and Gift Cards. The main heading is "Welcome, Please Sign In!". Below this, there are two sections: "New Customer" and "Returning Customer". The "New Customer" section contains a paragraph: "By creating an account on our website, you will be able to shop faster, be up to date on an order's status, and keep track of the orders you have previously made." Below this paragraph is a blue "REGISTER" button. The "Returning Customer" section contains two input fields: "Email:" and "Password:". Below the "Password:" field is a checkbox labeled "Remember me?" and a link "Forgot password?". Below these fields is a blue "LOG IN" button.

Link: <https://demo.nopcommerce.com/login?returnUrl=%2F>

Activity 1.1: Verifying user registration by entering all required information in registration page

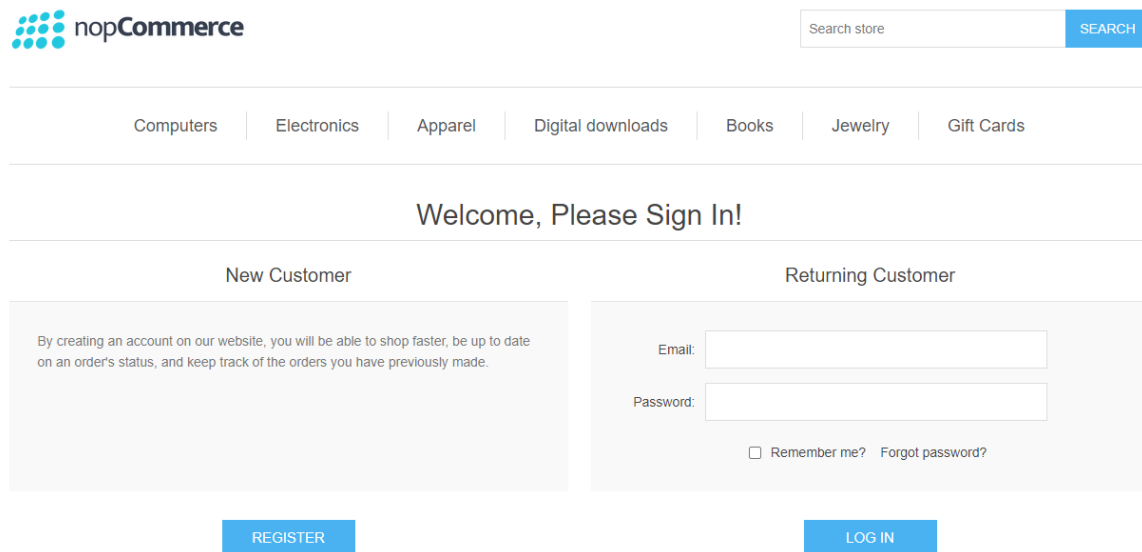


The screenshot shows the nopCommerce registration page. At the top left is the nopCommerce logo. To the right is a search bar with the text "Search store" and a blue "SEARCH" button. Below the search bar is a horizontal menu with links: Computers, Electronics, Apparel, Digital downloads, Books, Jewelry, and Gift Cards. The main heading is "Register". Below this, there is a section titled "Your Personal Details". This section contains a form with the following fields: "Gender:" with radio buttons for "Male" and "Female"; "First name:" with a text input field; "Last name:" with a text input field; "Date of birth:" with three dropdown menus for "Day", "Month", and "Year"; and "Email:" with a text input field. Each of the four input fields has a red asterisk to its right, indicating it is a required field. Below the "Your Personal Details" section is a section titled "Company Details". This section contains a form with the following field: "Company name:" with a text input field.

Link: <https://demo.nopcommerce.com/register?returnUrl=%2F>

www.smartinternz.com

Activity 1.2: Verifying user login by entering valid credentials



The screenshot shows the nopCommerce website's login page. At the top left is the nopCommerce logo. To its right is a search bar with the placeholder text 'Search store' and a blue 'SEARCH' button. Below the search bar is a horizontal navigation menu with links: Computers, Electronics, Apparel, Digital downloads, Books, Jewelry, and Gift Cards. The main heading in the center is 'Welcome, Please Sign In!'. Below this heading are two columns. The left column is titled 'New Customer' and contains a text block: 'By creating an account on our website, you will be able to shop faster, be up to date on an order's status, and keep track of the orders you have previously made.' Below this text is a blue 'REGISTER' button. The right column is titled 'Returning Customer' and contains a login form. The form has two input fields: 'Email:' and 'Password:'. Below the 'Password:' field are two links: 'Remember me?' (with an unchecked checkbox) and 'Forgot password?'. Below the login form is a blue 'LOG IN' button.

Link: <https://demo.nopcommerce.com/login?returnUrl=%2F>

Final Testing Areas:

1. Test the Home page elements color, font, alignment, design
2. Test the admin area login functionality
3. Test the Front-end login functionality
4. Test get started button functionality
5. Test the user can enter valid email & password
6. Test the user can enter invalid email & password
7. Test the main modules and sub modules functionality
8. Test user can search from global search area after login as an admin
9. Test sub modules pages are loading properly or not
10. Test user can logout successfully



Automation Testing nopCommerce

Project based experience learning program

nopCommerce Automation Testing Project

About nopCommerce: -

nopCommerce is the best open-source eCommerce shopping cart solution. nopCommerce is free, and it is the most popular ASP.NET eCommerce platform. The first nopCommerce version was released in 2008. At that time there were no free and open-source shopping carts that would not impose the limitations on business processes and flow hence the essential goal for nopCommerce was to fix that.

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Table of Contents

- Introduction
- Project Overview
- Getting Started
 - Prerequisites
 - Installation
 - Project Setup
- Project Structure
- Writing Test Cases
- Running Tests
- Test Reporting

- Troubleshooting
- Conclusion

Introduction

The nopCommerce project is a Python automation project that utilizes the Selenium framework for automating web interactions. This documentation provides an overview of the project, instructions for installation and configuration, details about the project structure, and examples of test cases.

Project Overview

The nopCommerce project aims to automate various tasks on the Bluestone website. It leverages Selenium, a powerful web automation tool, to interact with web elements and perform actions such as clicking buttons, filling forms, and extracting data.

Milestone 1: Getting Started

Explain the prerequisites and setup required to run the project.

Activity 1:-Prerequisites

Before getting started with the nopCommerce project, ensure you have the following prerequisites:

List the software and tools that need to be installed before running the project, such as:

- **Python (3.x)**
- **Selenium (3.x)**
- **Pytest (Latest Version)**
- **Any other dependencies**

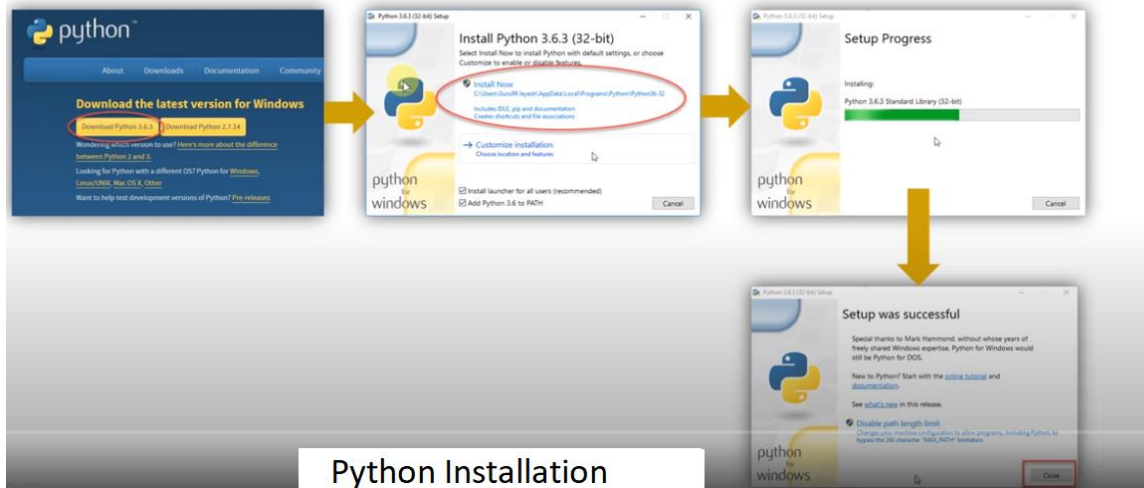
Activity 2:-Installation

To install the necessary dependencies for the nopCommerce automation project, follow these steps:

Activity 2.1:- Install Python: Visit the Python website (<https://www.python.org>) and download the latest version of Python. Follow the installation instructions for your operating system.

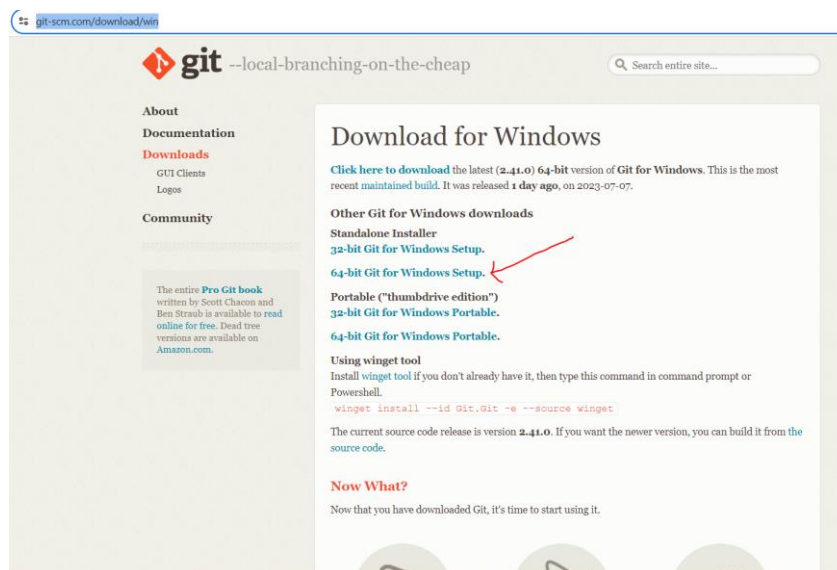
Download and install python on Windows

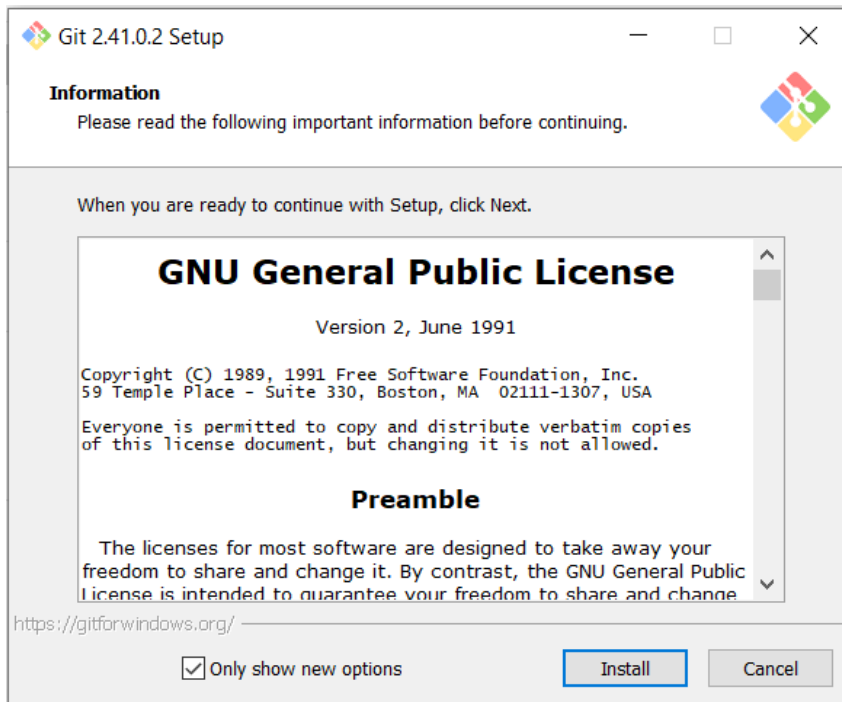
■ <https://www.python.org/downloads/>



Python Installation

Activity 2.2:- Download and install **gitbash** from <https://git-scm.com/download/win>



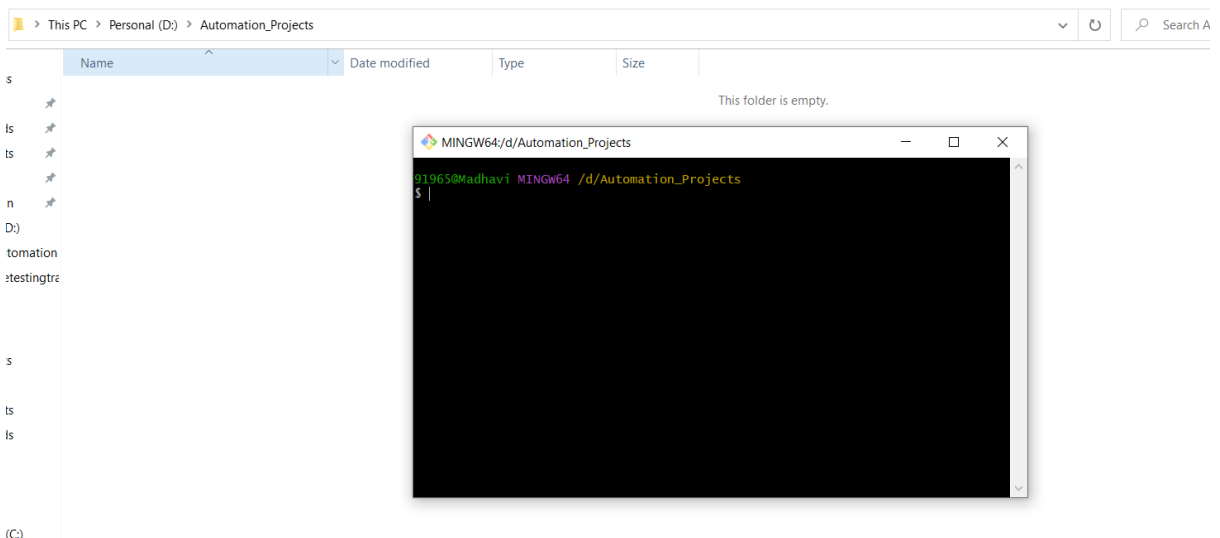


Activity 2.3 :-

Go to the desired location where you want to create the folder, such as Desktop.

Folder name like eg...(Automation_Testing_Project)

Open the folder-→ Right click with in the folder and select open gitbash here, you will get pop up like below and clone the repository based on the next steps provided below.



Activity 3:- Project Setup

Explained how to set up the project locally, including steps like:

www.smartinternz.com

Activity 3.1:- Clone the repository from github.


Activity 3.2:- Clone the nopCommerce project repository from [repository URL].
https://github.com/viswatesting123/SmartBridge_Automation_Projects.git

Activity 3.3:- Install all dependencies using `requirements.txt`

`Requirements.txt` containing all software's/libraries required for our projects.
We don't need to install separately.

Activity 3.4:- RUN the command from the terminal:

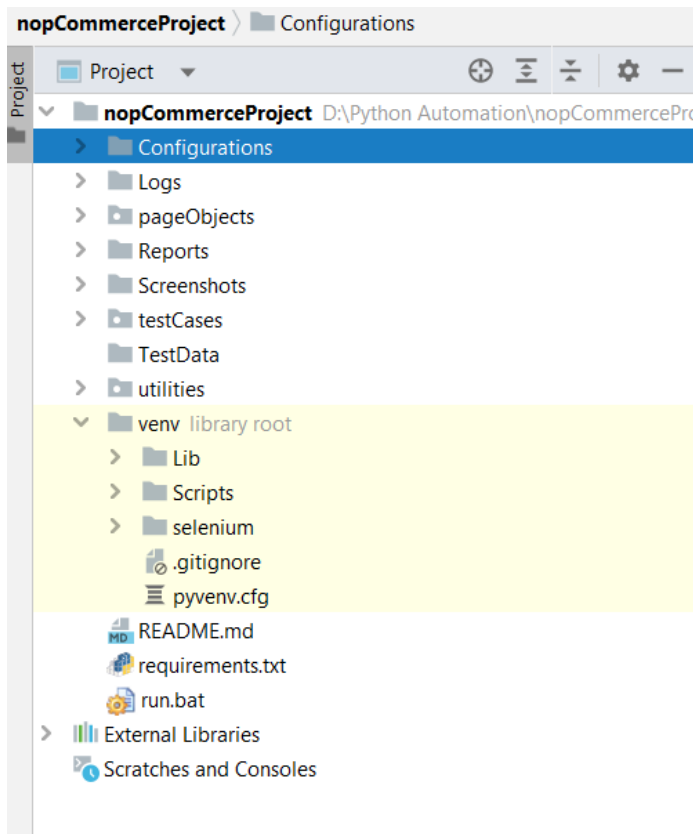
```
pip install -r requirements.txt
```

 Copy code

Activity 3.5:- Configuration settings (if any)

Milestone 2: Project Structure

Activity 1:-Explained the structure of the project, including directories and files, and their purposes. For example:



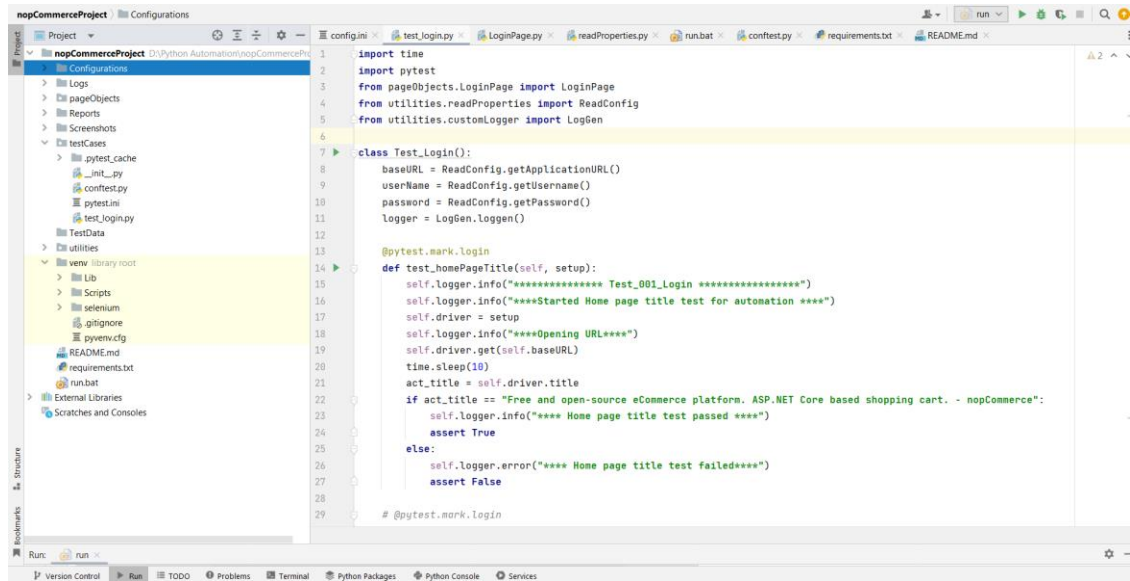
- **testscases/**: Directory containing test scripts
- **pageObjects/**: Directory containing page object models
- **utils/**: Directory containing utility functions
- **reports/**: Directory containing test reports
- **testData/**: Directory containing test data (**ex:excel, csv, text, json files**) related to project
- **Configuration/**: Configuration file for storing settings
- **Screenshots/**: Project testcases screenshots.
- **Logs/**: Directory maintain the project logs.
- **Run.bat/**: Now, you can double-click the **run.bat** file to execute the Python script specified in the command. The script will run in a Command Prompt window.

Activity 2:-Writing Test Cases

Explained how to write test cases using Python, Selenium, and pytest. Provide examples of different types of test cases, such as:

- Test case 1: Home Page functionality

Screenshot of the code:



```

1 import time
2 import pytest
3 from pageObjects.LoginPage import LoginPage
4 from utilities.readProperties import ReadConfig
5 from utilities.customLogger import LogGen
6
7 class Test_Login():
8     baseURL = ReadConfig.getApplicationURL()
9     userName = ReadConfig.getUsername()
10    password = ReadConfig.getPassword()
11    logger = LogGen.Loggen()
12
13    @pytest.mark.Login
14    def test_homePageTitle(self, setup):
15        self.logger.info("***** Test_001_Login *****")
16        self.logger.info("****Started Home page title test for automation ****")
17        self.driver = setup
18        self.logger.info("****Opening URL****")
19        self.driver.get(self.baseURL)
20        time.sleep(10)
21        act_title = self.driver.title
22        if act_title == "Free and open-source eCommerce platform. ASP.NET Core based shopping cart. - nopCommerce":
23            self.logger.info("**** Home page title test passed ****")
24            assert True
25        else:
26            self.logger.error("**** Home page title test failed****")
27            assert False
28
29    # @pytest.mark.Login
  
```

- Test case 2: Register new user functionality
- Add new testcases as per Manual testcases prepared.

Include best practices for writing maintainable and readable test cases.

Milestone 3: Running Tests

Explained how to run the test cases using pytest. Include information about command-line options and flags that can be used to customize test execution.

Activity 1:- Run.bat/: Now, you can double-click the **run.bat** file to execute the Python script specified in the command. The script will run in a Command Prompt window.

Milestone 4: Test Reporting

Explained how test reports are generated and where they are stored. Include information about any tools or libraries used for reporting, such as `pytest-html`.

Activity 1:-reports/: Directory containing test reports

← → 🔄 File D:\Python%20Automation\nopCommerceProject\Reports\report.html 📄 ☆ 🌐 🗑️

nopCommerce Automation report title

Report generated on 09-Jul-2023 at 15:57:54 by [pytest.html](#) v3.2.0

Environment

Base URL	
Capabilities	{}
Driver	None
Module Name	Login,Timecard modules
Packages	["pluggy", "0.13.1", "py", "1.9.0", "pytest", "6.1.1"]
Platform	Windows-10-10.0.19041-SP0
Project Name	nopCommerce Automation
Python	3.8.6
Tester	Student Name

Summary

1 tests ran in 23.33 seconds.
(Un)check the boxes to filter the results.

☒ 1 passed, ☐ 0 skipped, ☐ 0 failed, ☐ 0 errors, ☐ 0 expected failures, ☐ 0 unexpected passes

Results

Show all details / Hide all details

Result	Test	Duration	Links
Passed (show details)	test_login.py::Test_Login::test_homePageTitle	23.27	

Troubleshooting

List common issues that may occur during project setup or test execution and provide possible solutions.

Conclusion

The **nopCommerce** automation project provides a framework for automating various tasks within the **nopCommerce** web application using Python, Selenium, and Pytest. With this documentation, you should be able to set up the project, execute tests, and extend/customize it according to your needs.