



Manual Testing BLUESTONE

Project Based Experience Learning Program

TEAM DETAILS

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BLUESTONE Manual Testing

BlueStone is India's leading destination for high quality fine jewellery with strikingly exquisite designs. We aim at revolutionizing the fine jewellery and lifestyle segment in India with a firm focus on craftsmanship, quality and customer experience. In a short span of time, BlueStone has built a large family of loyal consumers in India and abroad.

BlueStone is a web-based e commerce application and it deals with all type of jewellery items and it has both mobile app support for customers to track orders and easy access .

BLUESTONE HOME PAGE:

The screenshot displays the BlueStone website's home page. At the top, the BlueStone logo is on the left, and a search bar with the text 'Search for Jewellery' is in the center. To the right of the search bar are links for '18004190066', 'Try at Home Cart', 'Login', and 'Signup'. Below these are icons for 'Recently Viewed', 'Locate Our Store', a heart icon, and a shopping cart icon with a '0' badge. A dark blue navigation bar contains the following menu items: '10+1 MONTHLY PLAN', 'WATCH JEWELLERY ~', 'RINGS ~', 'EARRINGS ~', 'PENDANTS ~', 'SOLITAIRE ~', 'ALL JEWELLERY ~', 'GIFTS ~', 'COINS ~', and 'OFFERS ~'. Below the navigation bar, a banner for 'Gold Mine 10 + 1 Monthly Plan (Pay 10 Installments, Get 100% Off on 11th Installment)' is visible, with a 'Subscribe Now' button. The main content area features a 'JUNE SPARKLE: Fine jewellery meets high fashion' header. Below this is a large promotional banner for 'BLUESTONE BIG Gold UPGRADE'. The banner includes a circular logo with 'BLUESTONE BIG Gold UPGRADE' and a gold ring. Text on the banner states: '18kt will be valued at 22kt*'. To the right, it says: 'Walk into any BlueStone store with your old gold and walk out with jewellery of a higher value.' Below this, a list of values is provided: '22kt will be valued at 24kt', '14kt will be valued at 16kt', and '16kt will be valued at 18kt'. A small note at the bottom right of the banner says '*T&C Apply'. On the left side of the banner, there is a vertical calendar-like navigation with months from JUN to OCT, with JUN selected.

Link: <https://www.bluestone.com>

Project Flow:

- User can search the desired product from global search
- User can register once and continue shopping and track items while delivery
- User can get updates on need basis
- User can also continue shopping using mobile app

Modules Structure:

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

- 10+1 MONTHLY PLAN
- WATCH JEWELLERY
 - Charm
 - Band
 - PIN
- RINGS
 - Popular Rings Types
 - By Price Range
 - By Metals & Stones
- EAR RINGS
 - Popular Earring Types
 - By Price Range
 - By Metals & Stones
- PENDANTS
 - Popular Pendant Types
 - By Price Range
 - By Metals & Stones
- SOLITAIRES
 - Solitaire Rings
 - Solitaire Pendants
 - Solitaire Earrings
 - Save the best model
 - Integrate with Web Framework
- ALL JEWELLERY
 - Shop by Category
 - Men's Jewellery
 - Kids' Jewellery
 - Platinum Jewellery
 - Gold Jewellery
 - Gemstone Jewellery
 - Diamond Jewellery
 - Pearl Jewellery
- GIFTS
 - Gift By occasion
 - By Price Range
 - Gifts For Special Someone
- COINS
 - Coins By Purity
 - Coins By Design
 - Silver Coins
- OFFERS
 - Up to 20% Off Making Charges
 - 25% Off Your first Gold Mine Installment
 - All Offers

Milestone 1: PRODUCT Module

Activity 1: Gold Mine text verification in terms of color ,font ,spacing between words, design and alignment



Link: <https://www.bluestone.com/goldmine.html?gmfidv=GMS25>

Activity 2: 10+1 , MONTHLY INSTALLMANET PLAN Text verification in terms of color ,font ,spacing between words, design and alignment



Activity 3: Verifying other text in terms of color ,font ,spacing between words, design and alignment



Activity 4.1: Verifying Monthly amount in terms of color ,font ,spacing between words, design and alignment

Activity 4.2: Verify user able to enter amount in field and application should accept the user to enter amount

Enter Monthly Amount
2000

You will pay
only ₹ 1500

Activity 4.3: Verify user able to enter some text in amount in field and verify application accepting the user to enter data

You are eligible for additional **25% DISCOUNT** on your first installment

Amount should only contain numbers
Test

Enter Email address

START NOW

Want to pay your Gold Mine Installment? [Click to Pay](#)

Activity 5.1: Verifying email address and START NOW button color and functionality and below text in terms of color, font, spacing between words, design and user able to enter email and verify the functionality of it.

Enter Email address
smartbridge@test.com

START NOW

Want to pay your Gold Mine Installment? [Click to Pay](#)

Activity 5.2: Verifying enter email address field validation when user enter invalid email

You are eligible for additional **25% DISCOUNT** on your first installment

Amount should only contain numbers
Test

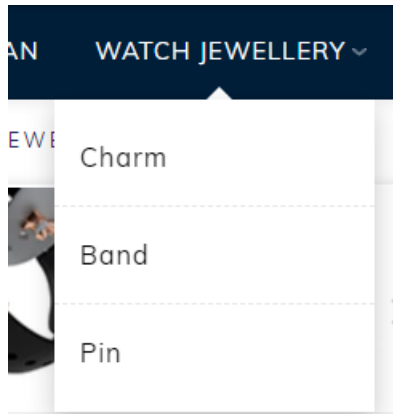
Please enter a valid email
smartbridge

START NOW

Want to pay your Gold Mine Installment? [Click to Pay](#)

Milestone 2: WATCH JEWELLERY

Under Watch Jewellery for various watches with charm model , Band model, Watch PIN model



Link: <https://www.bluestone.com/jewellery/watch+jewellery.html>

Activity 1: Verifying Charm Model in terms of color ,font ,spacing between words, design and whole representation

HOME / JEWELLERY / WATCH CHARM JEWELLERY

A promotional banner for BlueStone's 'BIG Gold UPGRADE' program. It features a gold charm and text stating: '18kt will be valued at 22kt', '22kt will be valued at 24kt', '14kt will be valued at 16kt', and '16kt will be valued at 18kt'. A note on the right says: 'Walk into any BlueStone store with your old gold and walk out with jewellery of a higher value.' A small asterisk and 'TSC Apply' are at the bottom right.

JEWELLERY | 30 Designs

A filter bar for the 'Watch Charm Jewellery' category. It includes dropdown menus for PRICE, TYPE, METAL, GENDER, OFFERS, and MORE FILTERS. Below these are buttons for ALL, TRY AT HOME, and DESIGNS IN STORE. A 'POPULAR' dropdown is on the right. Below the bar, it says 'FILTERED BY Watch Charm' with a close button.

Link: <https://www.bluestone.com/jewellery/watch+charm.html>

Activity 1.1: Verifying all the text available on screen in terms of color ,font ,spacing between words, design

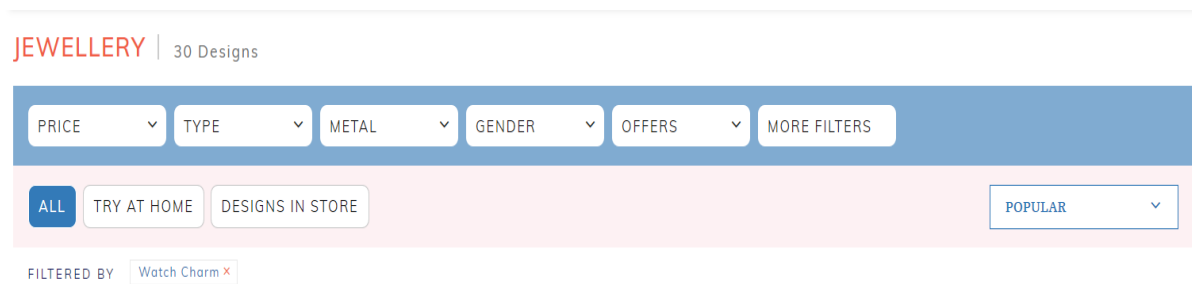
Verifying various text available on the screen to make sure all data is represented correct

A close-up of the promotional text from the previous image. It shows the gold charm and the text: '18kt will be valued at 22kt', '22kt will be valued at 24kt', '14kt will be valued at 16kt', and '16kt will be valued at 18kt'. To the right, it says: 'Walk into any BlueStone store with your old gold and walk out with jewellery of a higher value.' A small asterisk and 'TSC Apply' are at the bottom right.

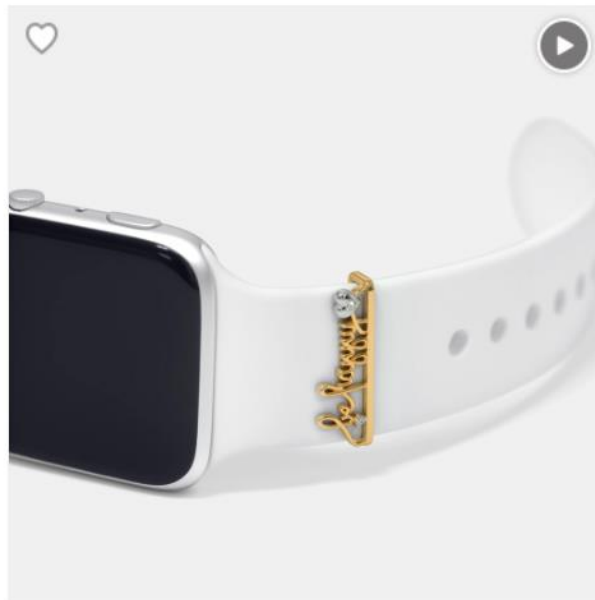
Activity 1.2: Verifying various filter types once we apply on filter how the

www.smartinternz.com

application is filtering out results and how the results are loading



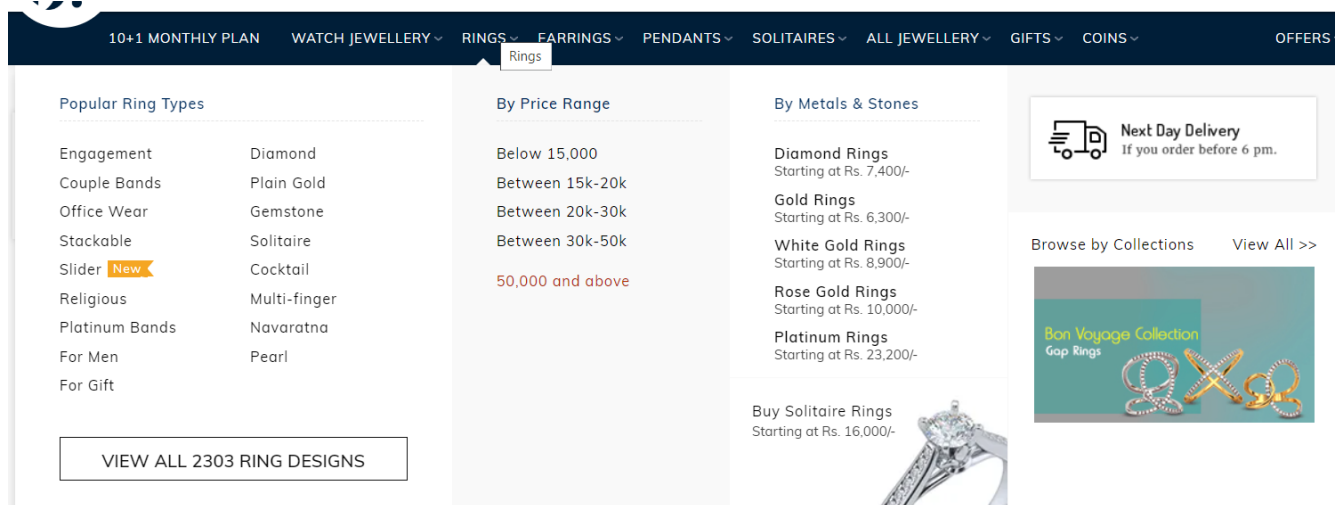
Activity 1.3: Verifying various images are loading properly and videos are playing when user trying to play it or not related to items
Verifying the different price for different Items



₹ 13,479

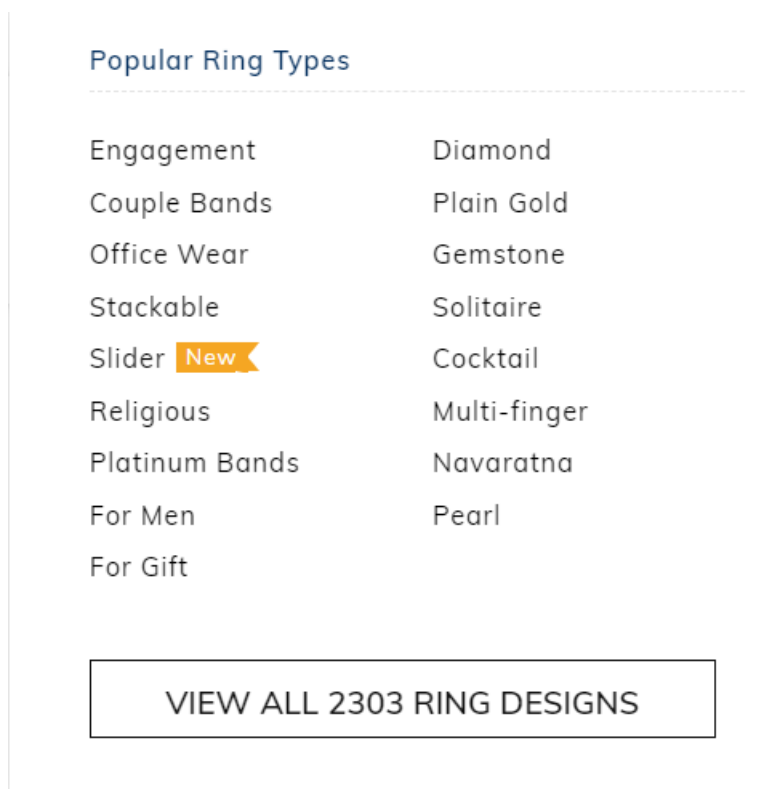
10% OFF ON MAKING CHARGE

Milestone 3: Verifying RINGS module and it's sub modules



Link: <https://www.bluestone.com/jewellery/rings.html>

Activity 1: Verifying Rings sub modules like Popular Ring Types and all links are redirecting to pages or not and all links are clickable and having any tags beside to existing types



Activity 2: Verifying link functionalities for each individual sub modules

Verifying each and every sub module links functionality, upon clicking each link is it

navigating to desired pages are not

Activity 2.1: Verifying links are navigating to desired page

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

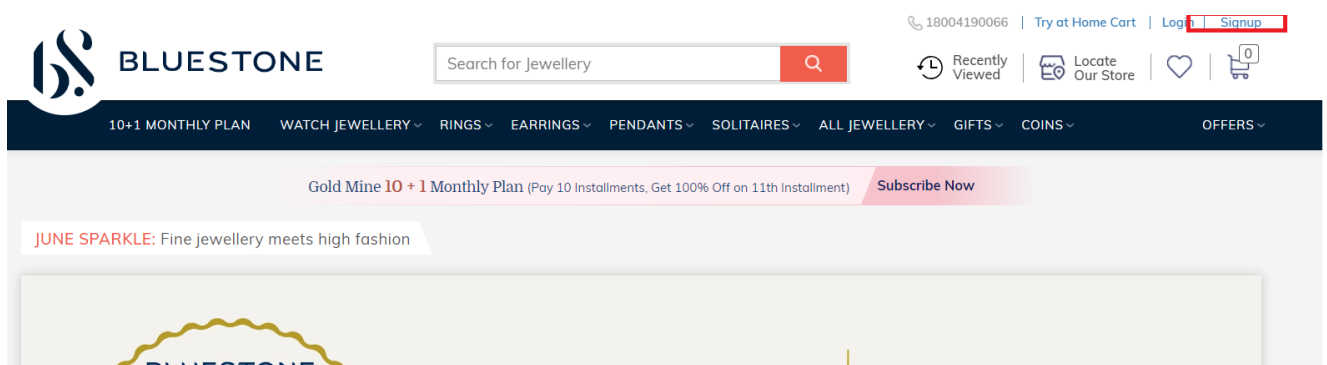
Activity 2.2: Verifying user able to load more results by clicking on 'VIEW ALL <<NUMBER>> RING DESIGNS

When User clicks on 'VIEW ALL <<NUMBER>> RING DESIGNS', it has to load all rings designs available and show images of rings with rates of that particular ring

Milestone 4: Verifying Signup link functionality

Activity 1: Verifying user is able to click on Signup link and able to see link on top right corner

Verify user is able to see color, font, and words alignment of 'Signup' text



Link: <https://www.bluestone.com/>

Activity 2.1: Verifying user able to enter all required information in the Signup form and able to complete signup process with all positive and negative data

A screenshot of the BlueStone website's signup form. At the top is a dark blue header with the text 'HELLO THERE, SIGNUP HERE' and a close icon. Below this are three input fields for 'Name', 'Email', and 'Mobile Number'. Under the 'Mobile Number' field is a checkbox labeled 'I accept BlueStone Terms of Service and Privacy Policy.' Below the checkbox is a large orange button labeled 'CREATE ACCOUNT'. At the bottom of the form is a link that says 'Already Have an Account? Login'. Below the login link is a blue button with a Facebook logo and the text 'SIGNUP WITH FACEBOOK'.

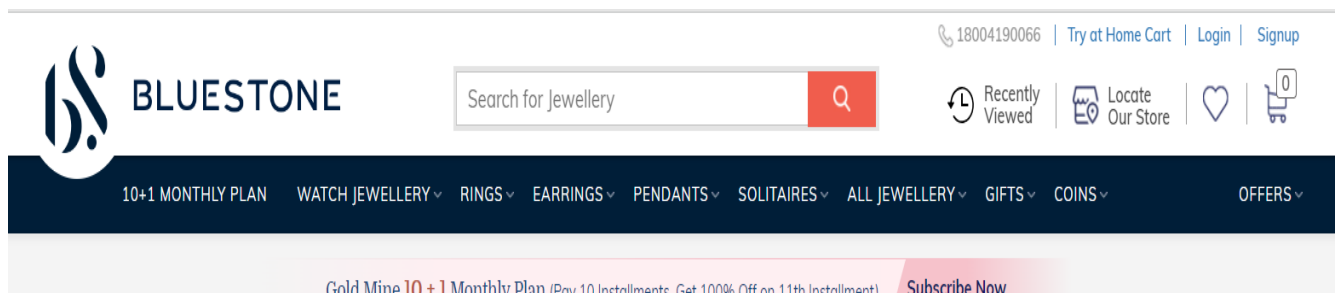
Link: <https://www.bluestone.com/>

Activity 2.2: Verifying user able to Signup with facebook account if user is having a facebook account

Milestone 5: Verifying Login link functionality

Activity 1: Verifying user is able to click on Login link and able to see link on top right corner

Verify user is able to see color ,font, and words alignment of ‘Login text



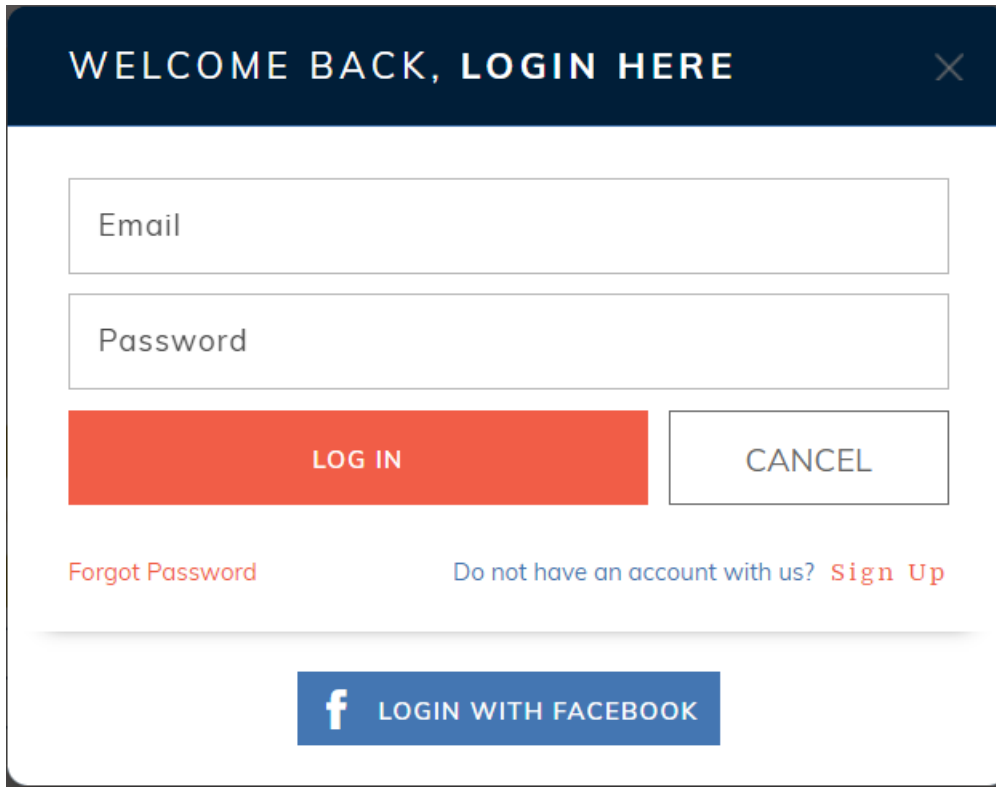
Link: <https://www.bluestone.com/>

Activity 2.1: Verifying user able to enter all required information in the Login form and able to login successfully with all positive and negative data

A screenshot of the Bluestone login form. The form has a dark blue header with the text "WELCOME BACK, LOGIN HERE" and a close button. Below the header, there is a message: "Please enter your phone number or email address below. We will send you the OTP." There is a text input field labeled "Email or Phone Number" and a red "SUBMIT" button. Below the input field, there is a link: "Do not have an account with us? Sign Up". At the bottom of the form, there are two buttons: "LOG IN WITH EMAIL" and "LOGIN WITH FACEBOOK".

Link: <https://www.bluestone.com/>

Activity 2.2: Verifying user able to login with email account in the Login form and able to login successfully with all positive and negative data

A login form with a dark blue header bar containing the text "WELCOME BACK, LOGIN HERE" and a close icon. Below the header are two input fields: "Email" and "Password". Under the "Password" field is a red "LOG IN" button and a white "CANCEL" button. At the bottom of the form are two links: "Forgot Password" and "Do not have an account with us? Sign Up". At the very bottom is a blue button with a Facebook logo and the text "LOGIN WITH FACEBOOK".

WELCOME BACK, LOGIN HERE

Email

Password

LOG IN CANCEL

Forgot Password Do not have an account with us? Sign Up

f LOGIN WITH FACEBOOK

Link: <https://www.bluestone.com/>

Final Testing Areas:

1. Test the Home page elements color, font, alignment, design
2. Test the global search
3. Test the Try Home Cart , Login, Signup link functionality
4. Test the recently viewed ,Locate store, favorites, Cart functionality
5. Test each and every module and sub module functionality is it navigating to desired page
6. Test videos related to jewellery items playing correctly or not
7. Test price for each item
8. Test filters to load results is correctly working or not
9. Test all dropdowns are correctly loading the results
10. Test loading results from dropdown are accurate or not
11. Test browser compatibility
12. Test user is able to navigate to Top section when user at bottom by clicking on TOP button
13. Test user is able to chat with executive



Automation Testing BLUESTONE

Project based experience learning program

BLUESTONE Automation Testing Project

About Bluestone:-

Established in 2011, BlueStone is India's leading destination for high quality fine jewellery with strikingly exquisite designs. We aim at revolutionizing the fine jewellery and lifestyle segment in India with a firm focus on craftsmanship, quality and customer experience. In a short span of time, BlueStone has built a large family of loyal consumers in India and abroad.

We house more than 8000 unique designs for you to choose from. All these designs are crafted to perfection with utmost care giving you the flexibility to customize the product's gold purity and colour or diamond clarity to suit your needs.

Our stores have been instrumental in spreading the shine of BlueStone and bringing us closer to you. With world class experience, friendly staff and the dazzling beauty of exquisite jewellery, every store is a sparkling gem.

With an award-winning design team that pays great attention to detail, each of our products are a symbol of perfection. With cutting edge innovation and latest technology, we make sure the brilliance is well reflected in all our jewellery.

We also offer a 30 Day Money Back guarantee, Certified Jewellery and Lifetime Exchange. You can also experience luxury shopping from the comfort of your home with our complimentary Try At Home service.

BlueStone is a web-based e commerce application and it deals with all type of jewellery items and it has both mobile app support for customers to track orders and easy access.

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Introduction

The BLUESTONE 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 BLUESTONE 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 BLUESTONE 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**

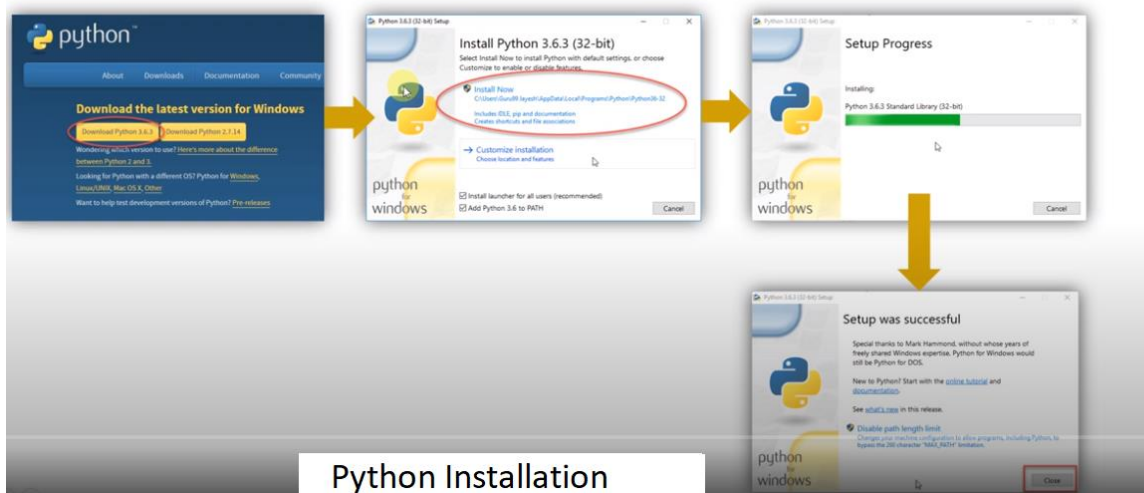
Activity 2:-Installation

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

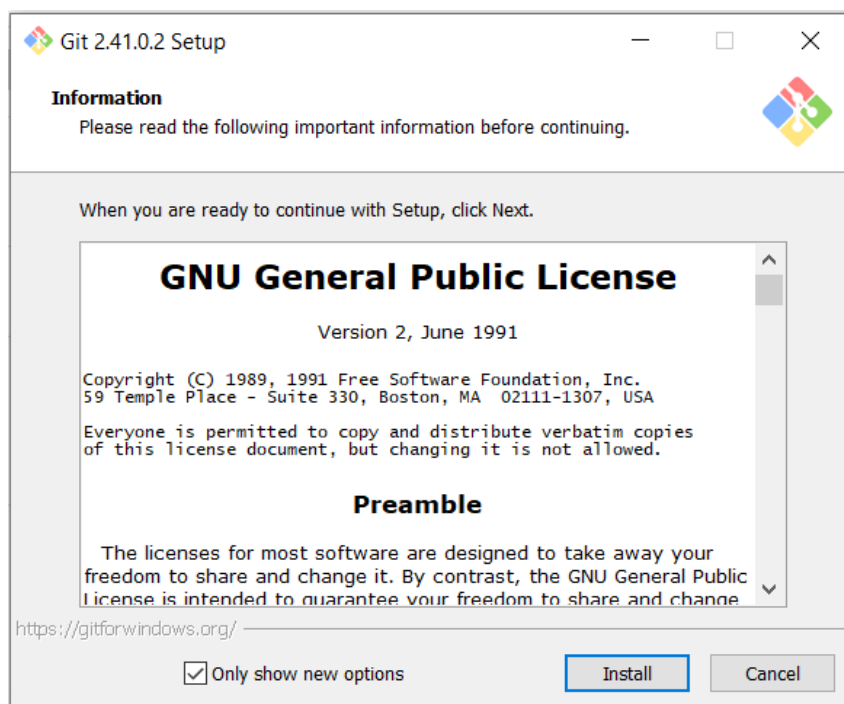
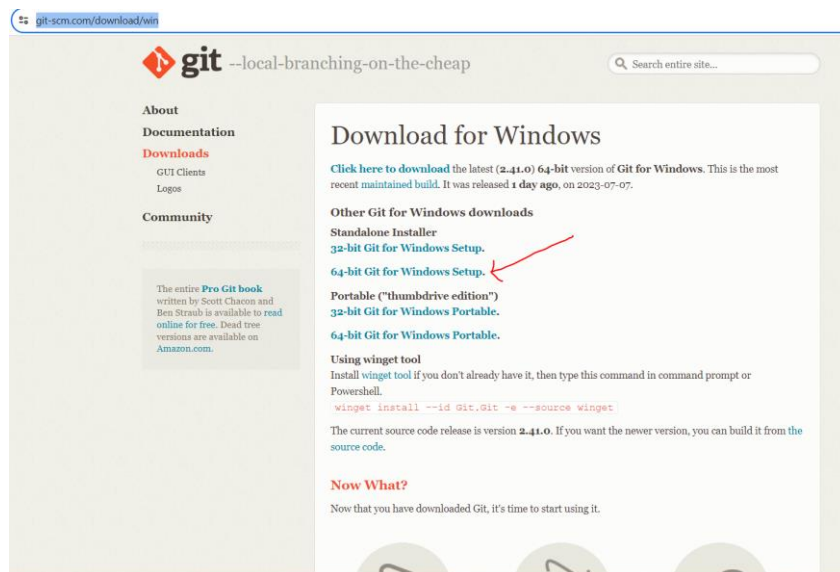
Activity 2.1:- Install Python: Visit the Python website (<https://www.python.org>) and download the latest version of Python. Follow the installation instructions for your operating system.

Download and install python on Windows

■ <https://www.python.org/downloads/>



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

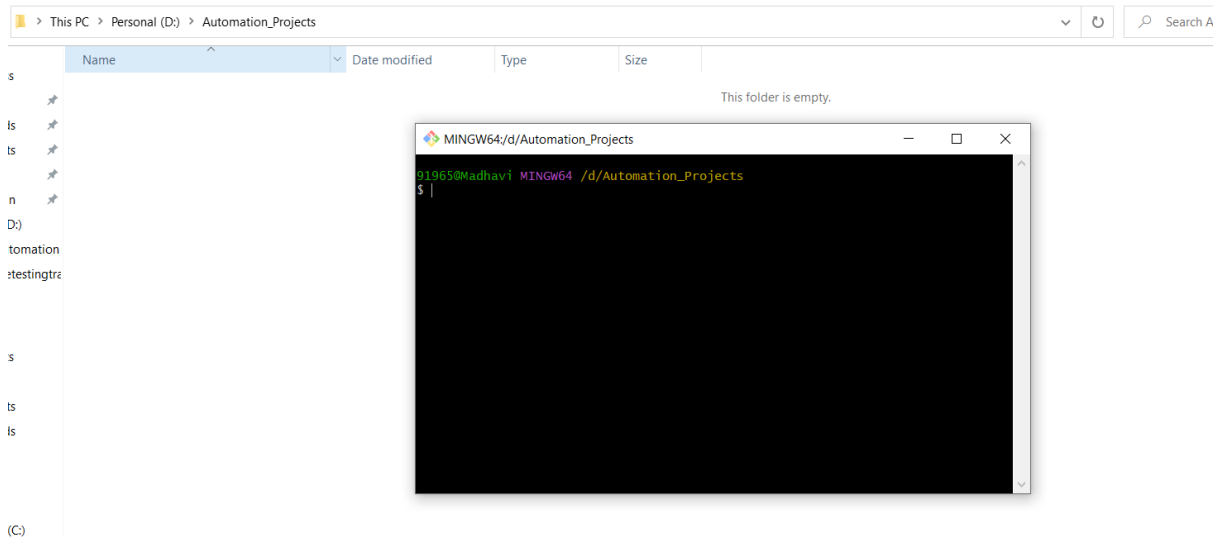


Activity 2.3 :-

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:

Activity 3.1:- Clone the repository from github.

Activity 3.2:- Clone the BLUESTONE 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.

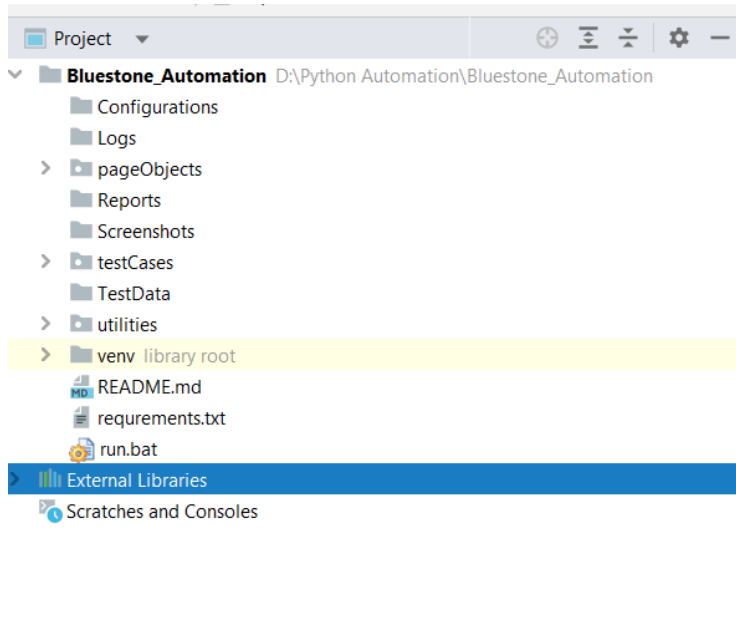
Activity 3.4:- RUN the command from the terminal:

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

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:



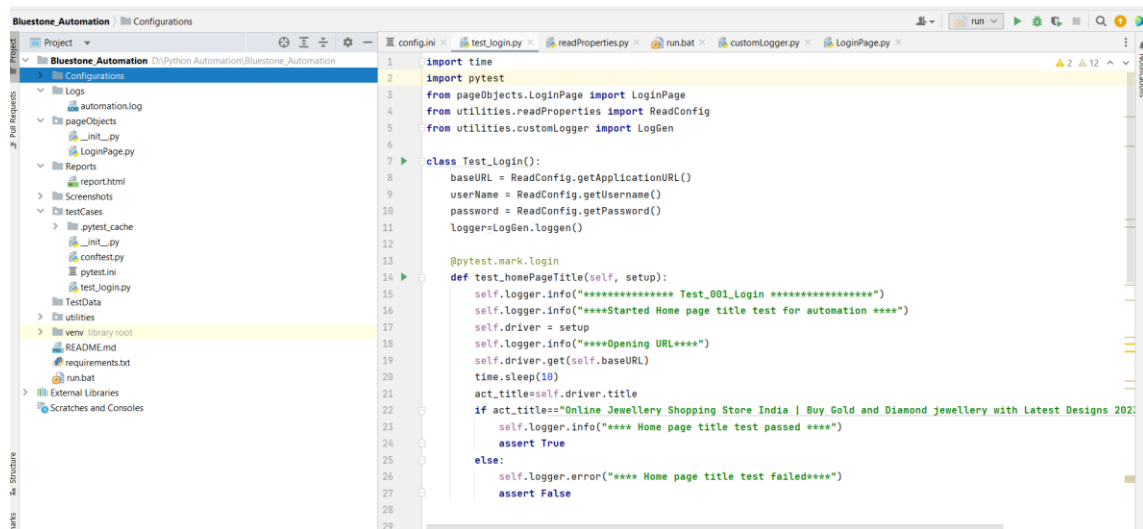
- **testcases/**: Directory containing test scripts
- **pageObjects/**: Directory containing page object models
- **utils/**: Directory containing utility functions
- **reports/**: Directory containing test reports
- **testData/**: Directory containing test data (**ex:excel, csv, text, json files**) 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:



The screenshot shows a code editor with a project named 'Bluestone_Automation'. The left sidebar displays a file explorer with various folders and files, including 'Automation.log', 'pageObjects', 'Reports', 'Screenshots', 'testCases', and 'utilities'. The main editor window shows the code for 'test_login.py'. The code imports 'time' and 'pytest', and uses 'pageObjects.LoginPage' and 'utilities.readProperties' to interact with the application. It defines a 'Test_Login' class with a 'test_homePageTitle' method that checks the page title and logs the results.

```
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.getLogger()
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=="Online Jewellery Shopping Store India | Buy Gold and Diamond jewellery with Latest Designs 2022":
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
```

- 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

FileD:/Python%20Automation/Bluestone_Automation/Reports/report.html

BlueStone Automation report title

Report generated on 09-Jul-2023 at 11:11:17 by [pytest.html](#) v3.2.0

Environment

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

Summary

1 tests ran in 19.29 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	19.23	

Troubleshooting

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

Conclusion

The **BLUESTONE** automation project provides a framework for automating various tasks within the **BLUESTONE** 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.