Software Testing Types

Purpose of this Document

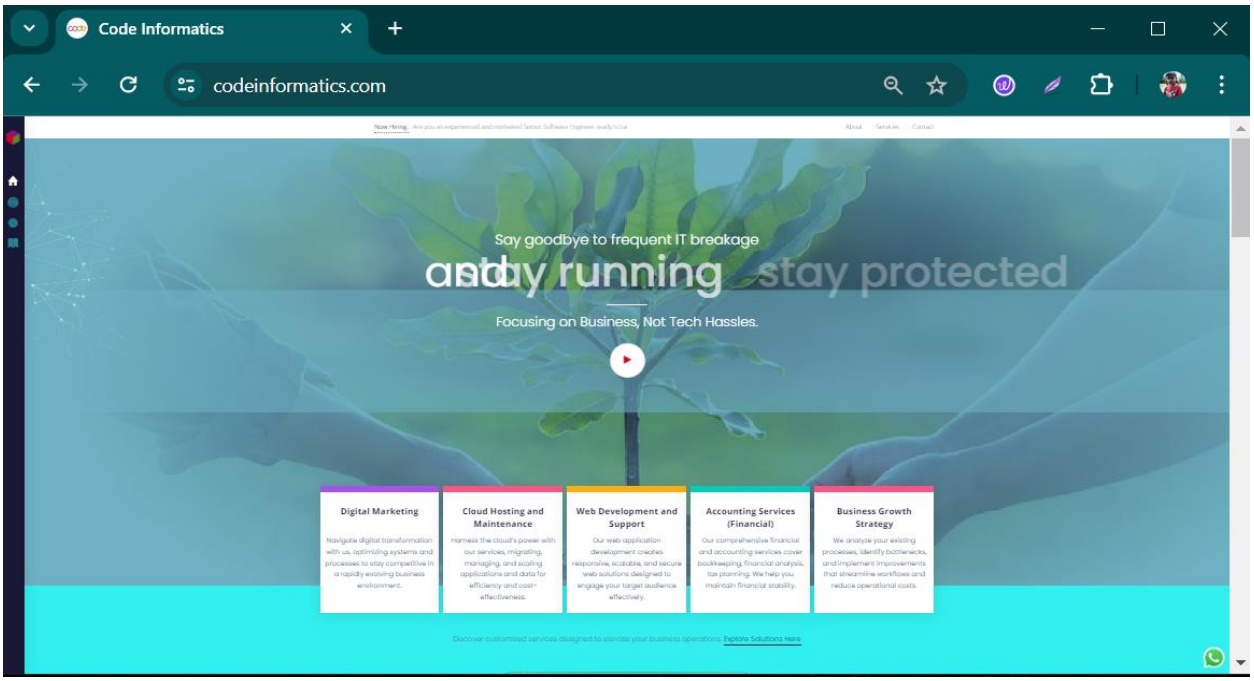
The main purpose of this document is to perform different types of Software Testing on the Code Informatics Website along with screenshots.

Contents

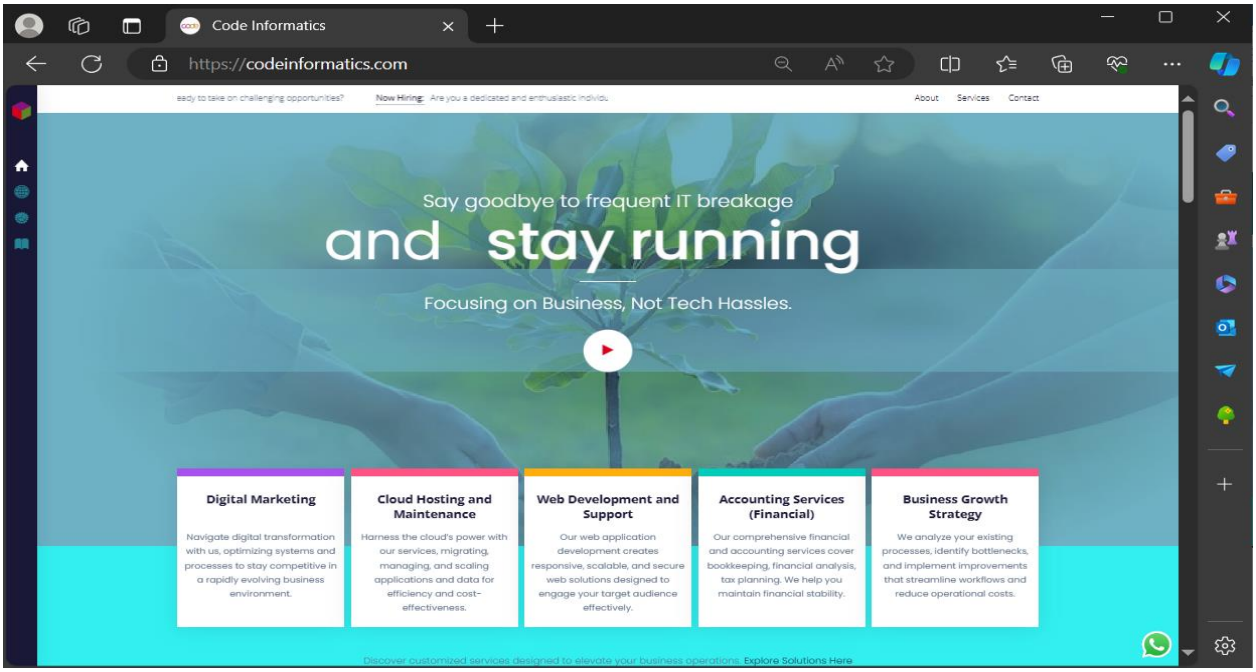
Cross Browser Testing:

We will test our website on two different browsers to check the possible outcome.

Google Chrome:

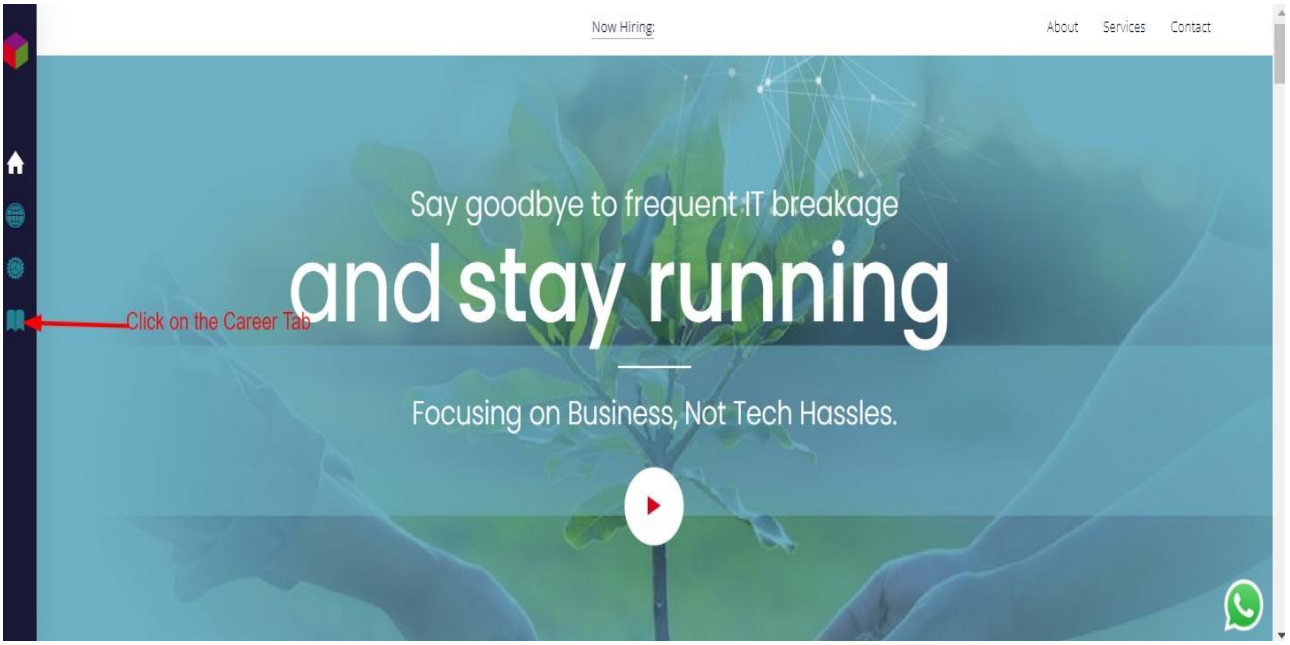


Microsoft Edge:

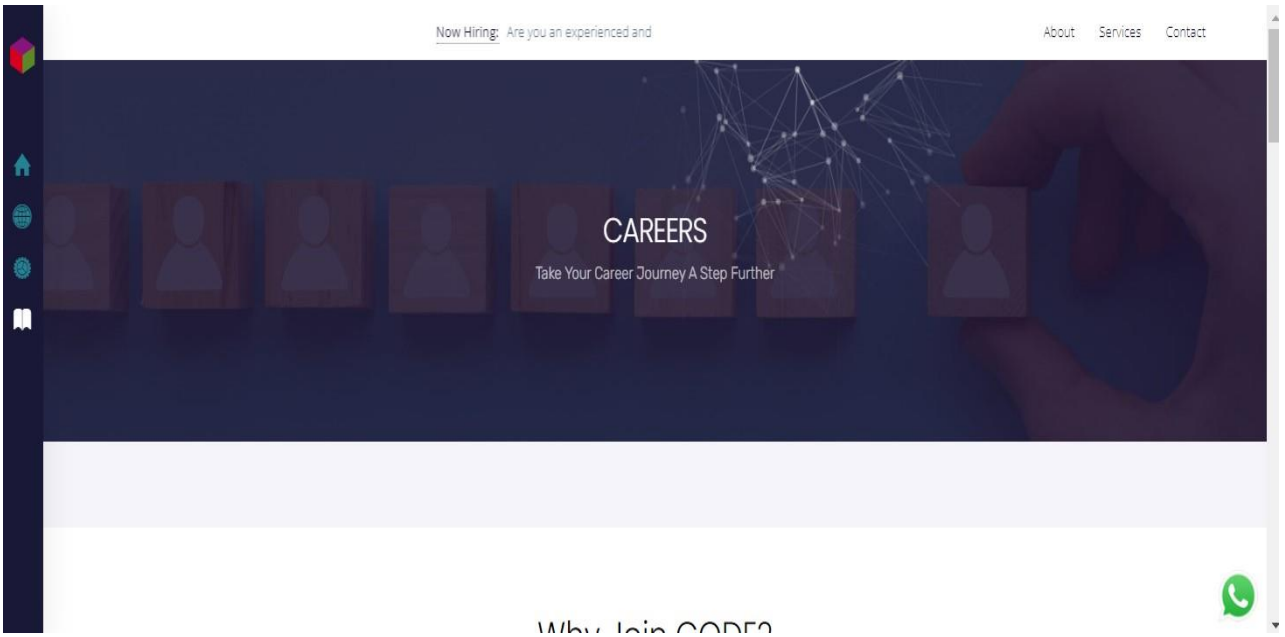


Black Box Testing:

In Black Box Testing, we will test the behavior of our Website againt the SRS without going into the details of internal logic of code.

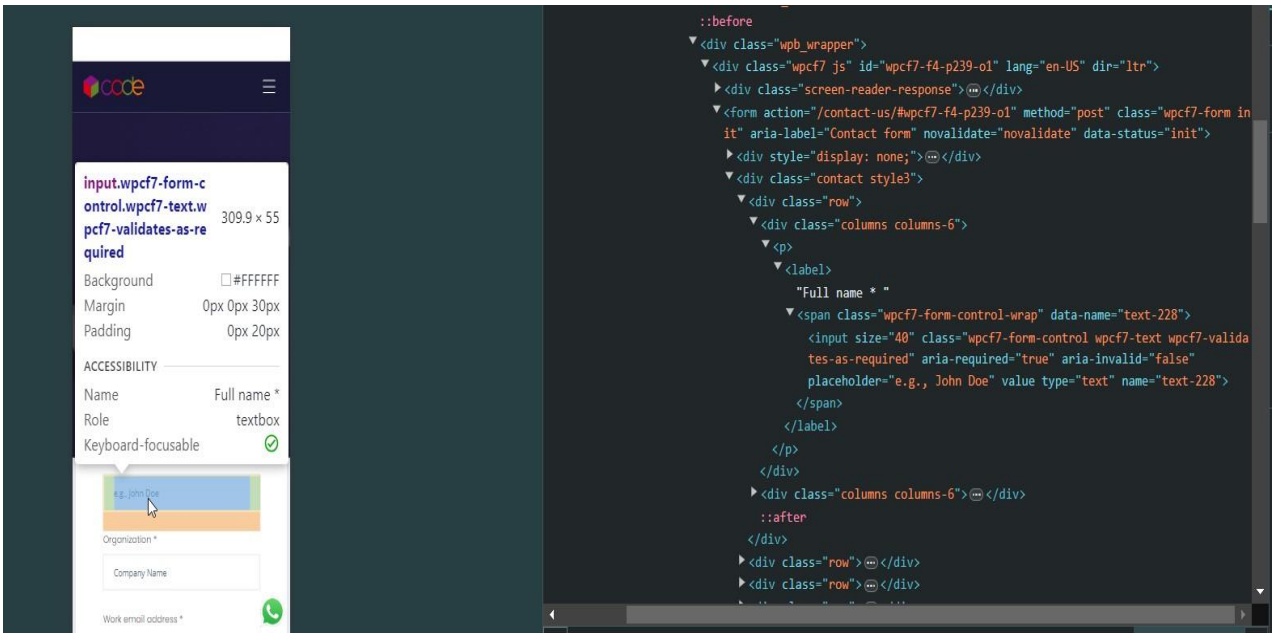


After Clicking on the Careers Tab, we are directed to the Careers Page. The Functionality is working according to our requirements.



White Box Testing:

In White Box Testing, Internal Logic of code must be known. In this type of Testing, we will go through the code of our Website for testing.

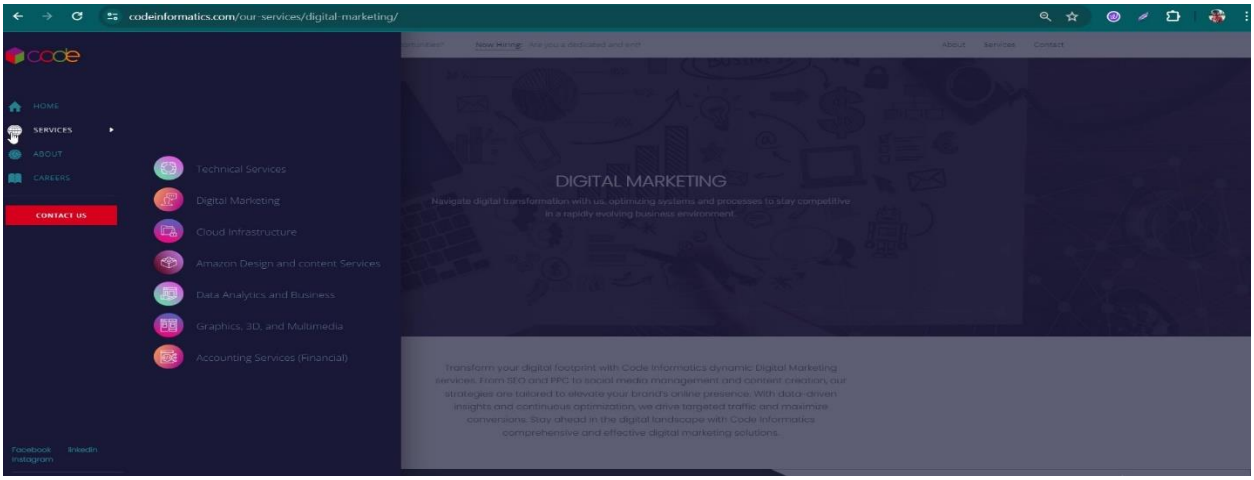


Here we are checking the code behind the Contact Us form of the Code Informatics Website.

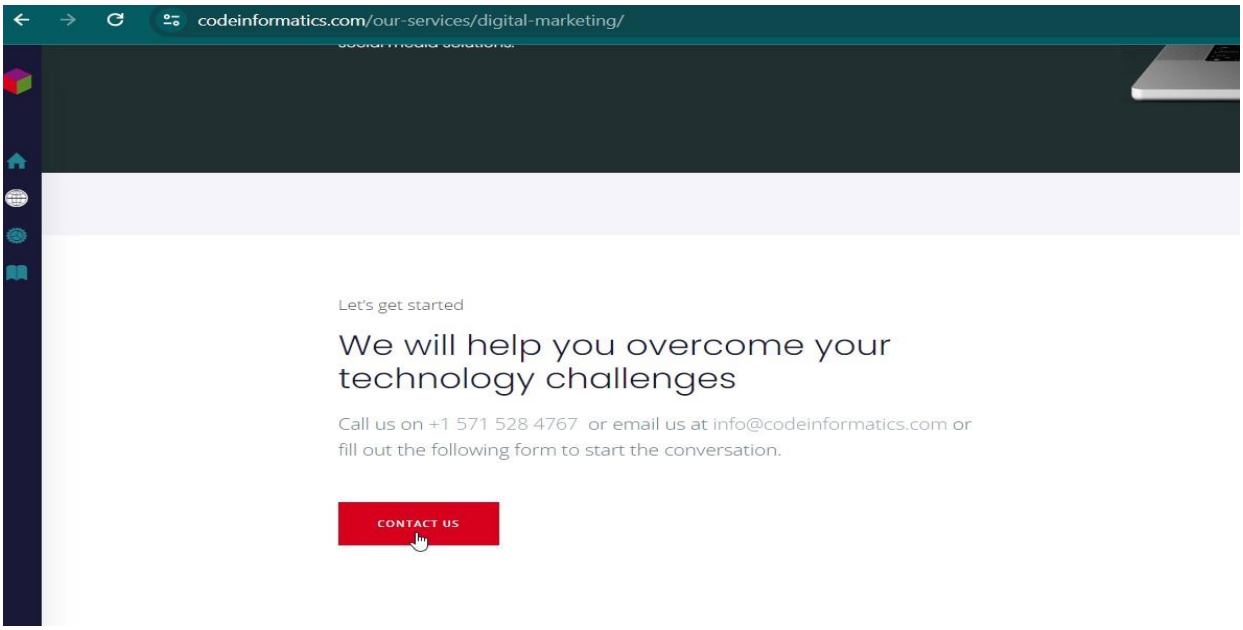
Integration Testing:

In Integration Testing, we test the combined functionality of the newly added module with the other modules.

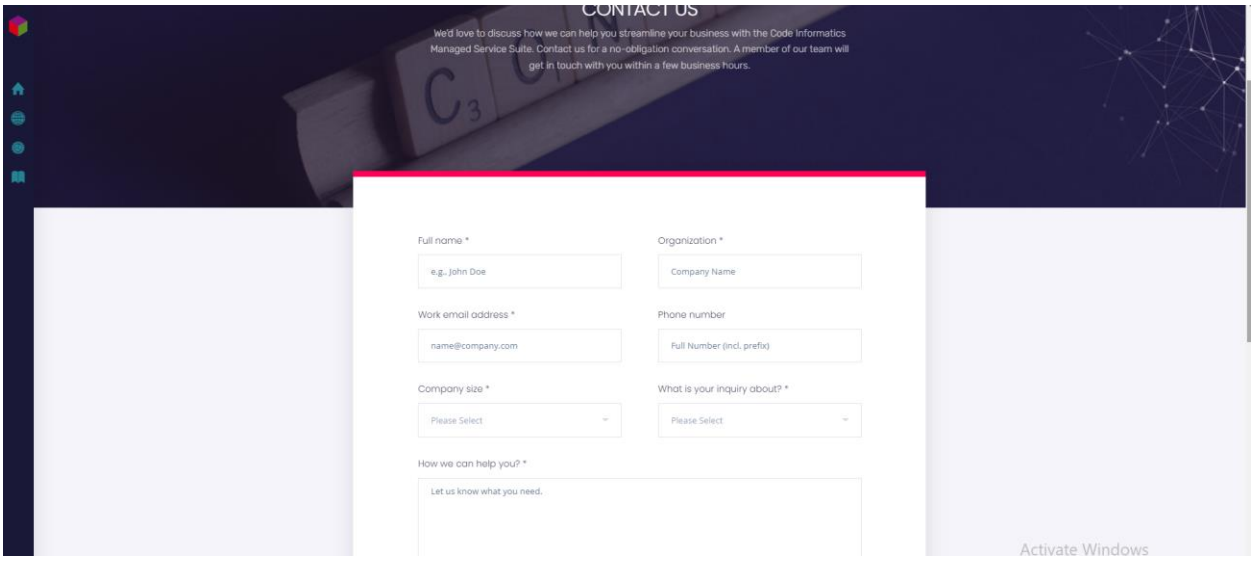
Consider we first have a module of Services, featuring all the services we are providing. One of the services is Digital Marketing which we want to open.



Then, there is another module/functionality is added on Digital Marketing page that is Contact Us. Now we will test whether this feature is performing accordingly or not.

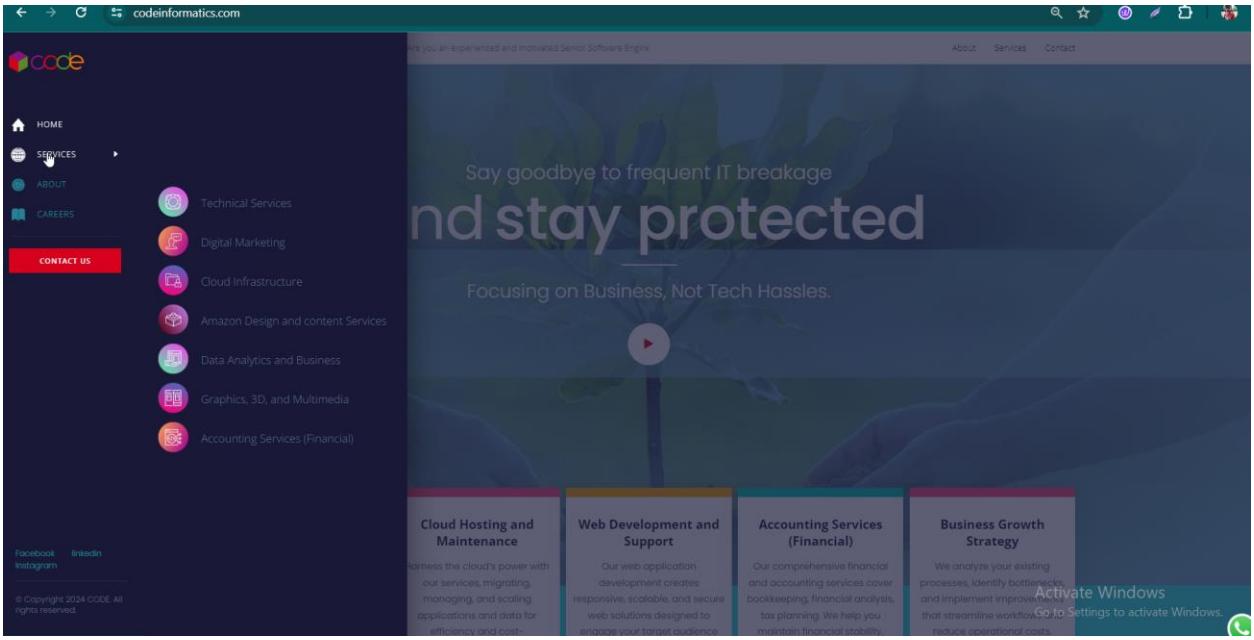


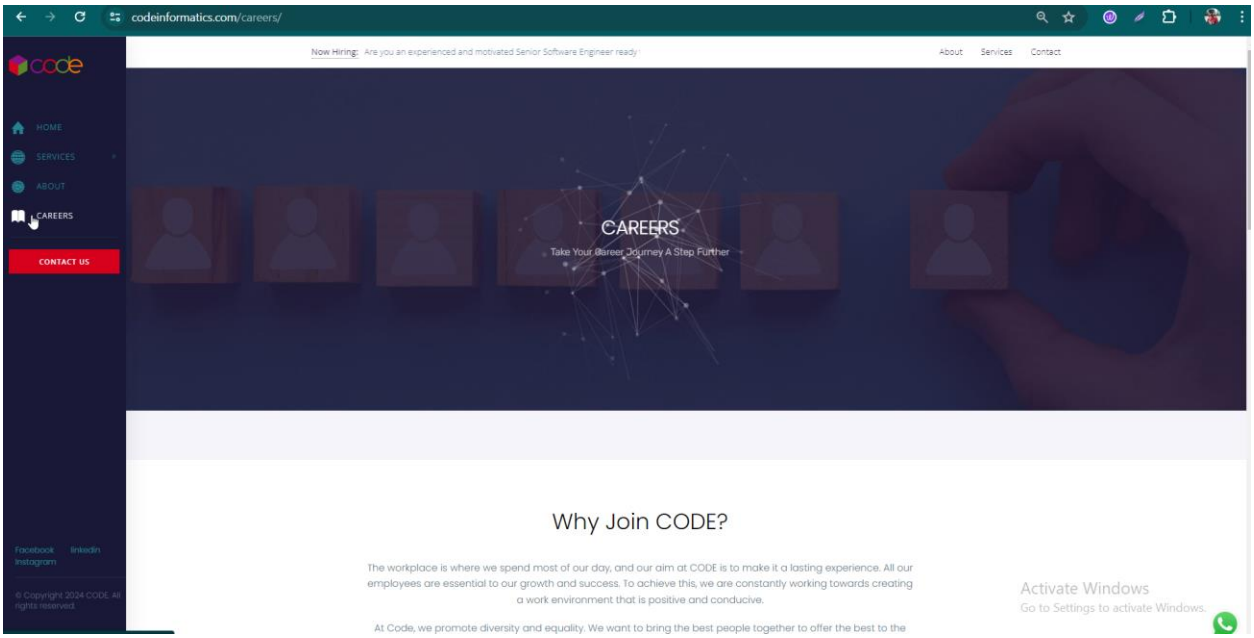
If we click on the Contact Us Button we will be directed to the Contact Us page, which means the combined functionality of both modules are working fine.



Functional Testing:

In Functional Testing we will simply verify all the functionalities of our website against SRS.

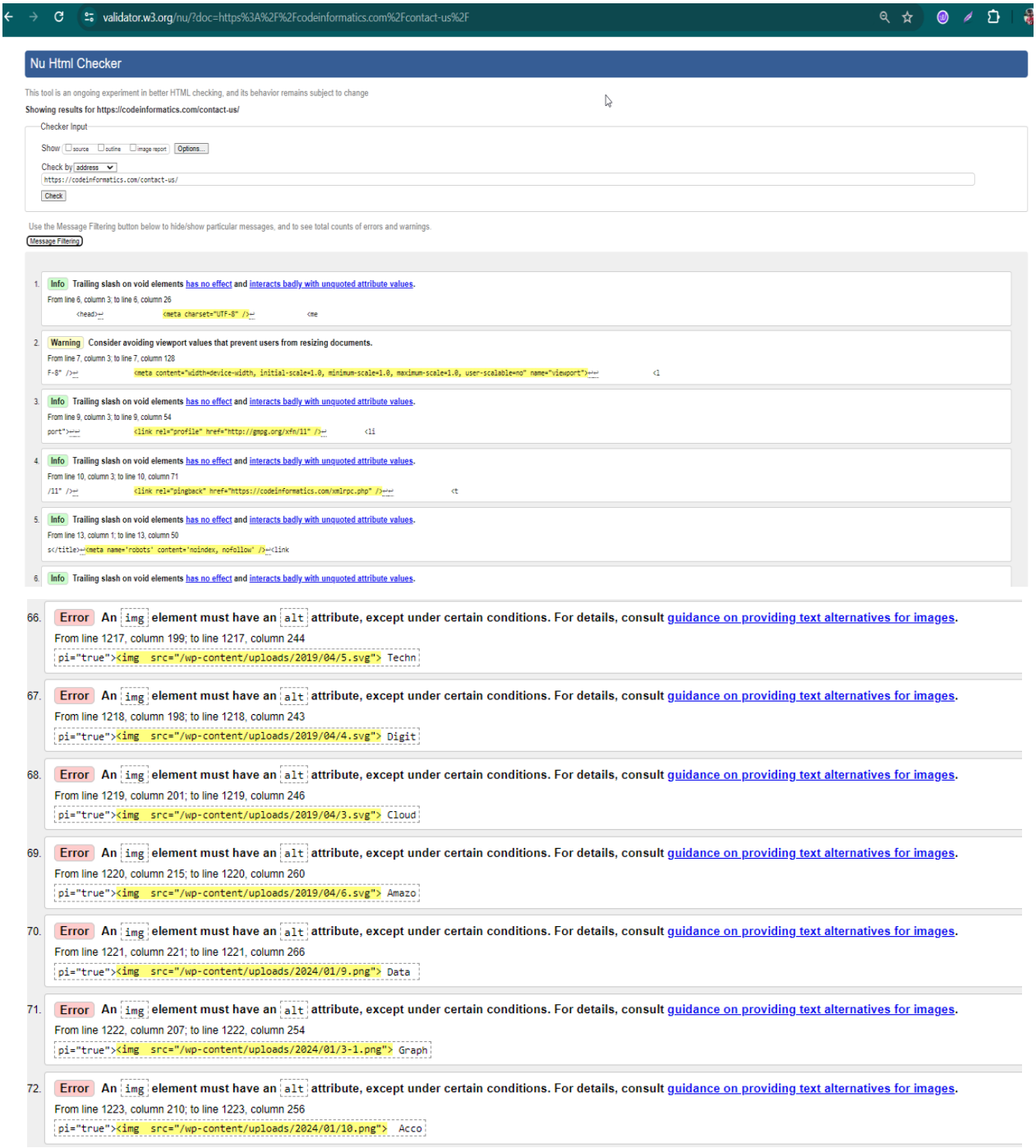




W3C Validation:

In W3C Validation, the Website URL will be entered in W3C website which is a semi automation testing tool to test the bugs in Code Informatics website.

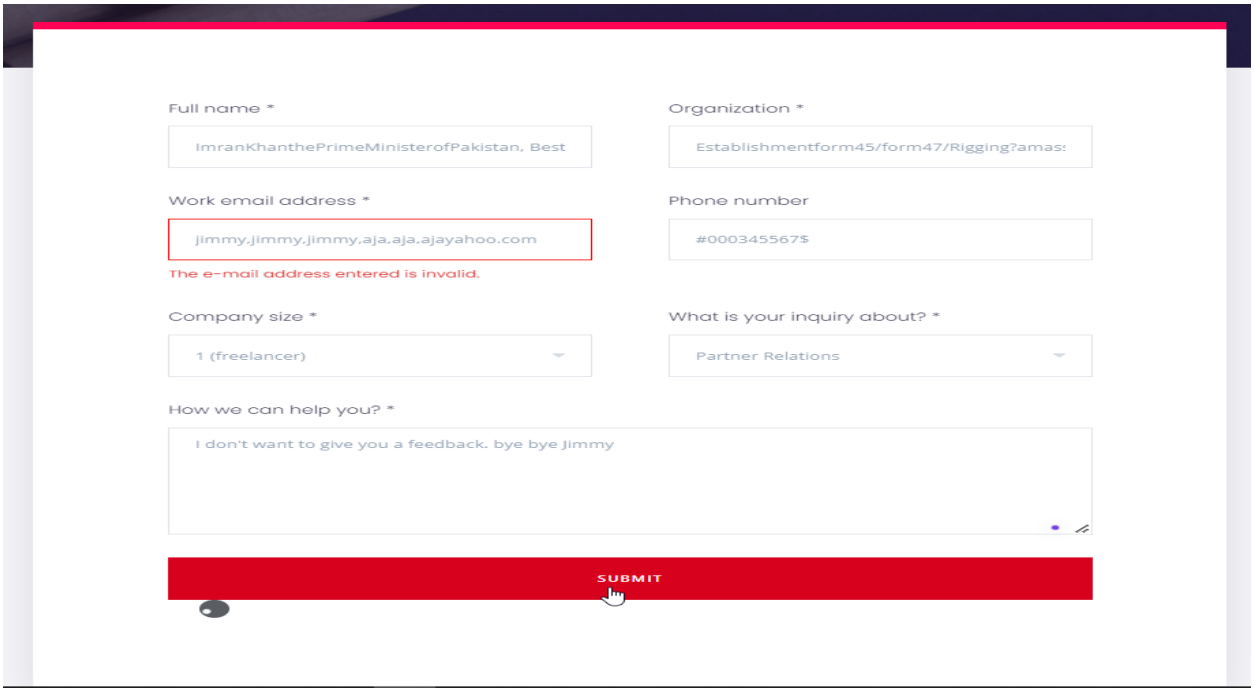
Below is the result of W3C Validation of URL of Contact Us page of Code Informatics.



Stress Testing:

In Stress Testing, System is stressed beyond its specifications to check when and how it fails. In other words, negative testing is being done to check the unfavorable conditions.

In this Website, we will test the Contact Us page by giving the unfavorable inputs.

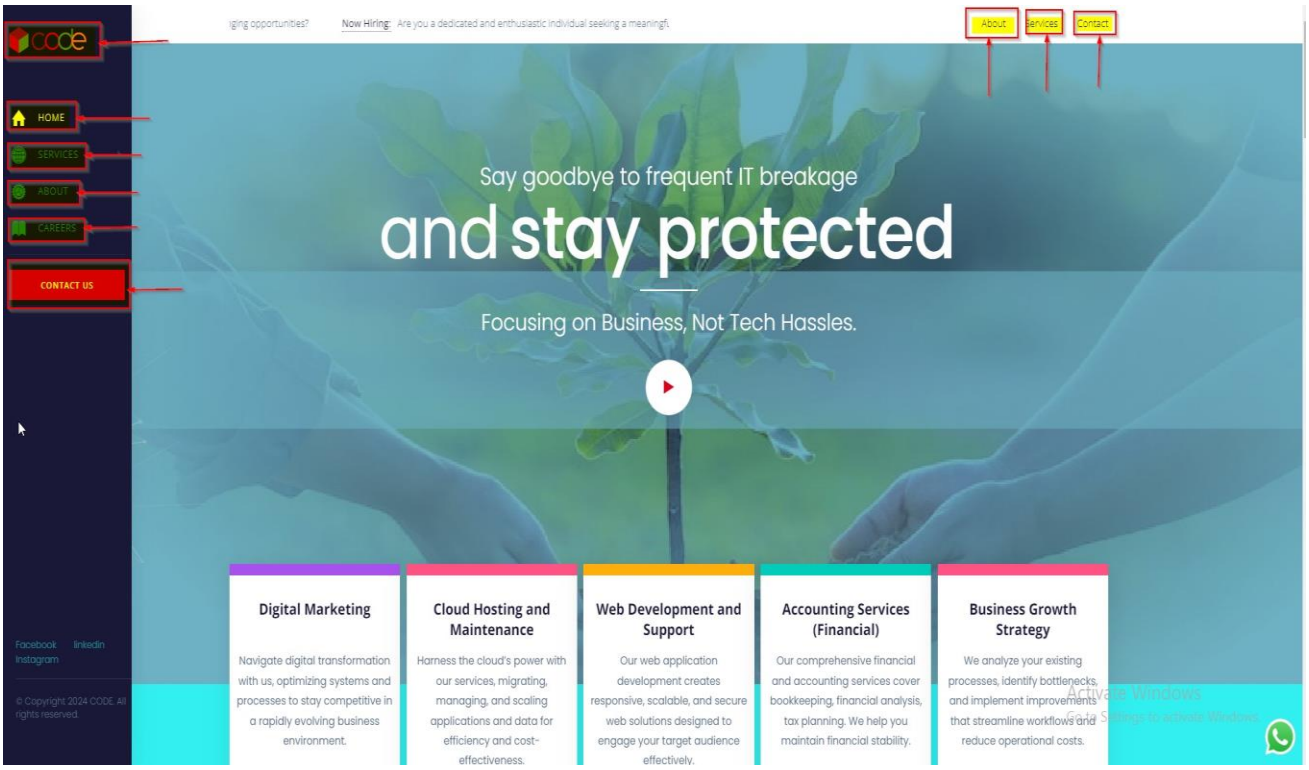


System Testing:

The entire System's functionality has been tested as per the requirements. But, the focus must be a single domain whether it is your website, Mobile App, or Hardware.

The entire modules of Code Informatics will be tested.

1. Home
2. Services
3. About
4. Careers
5. Contact Us

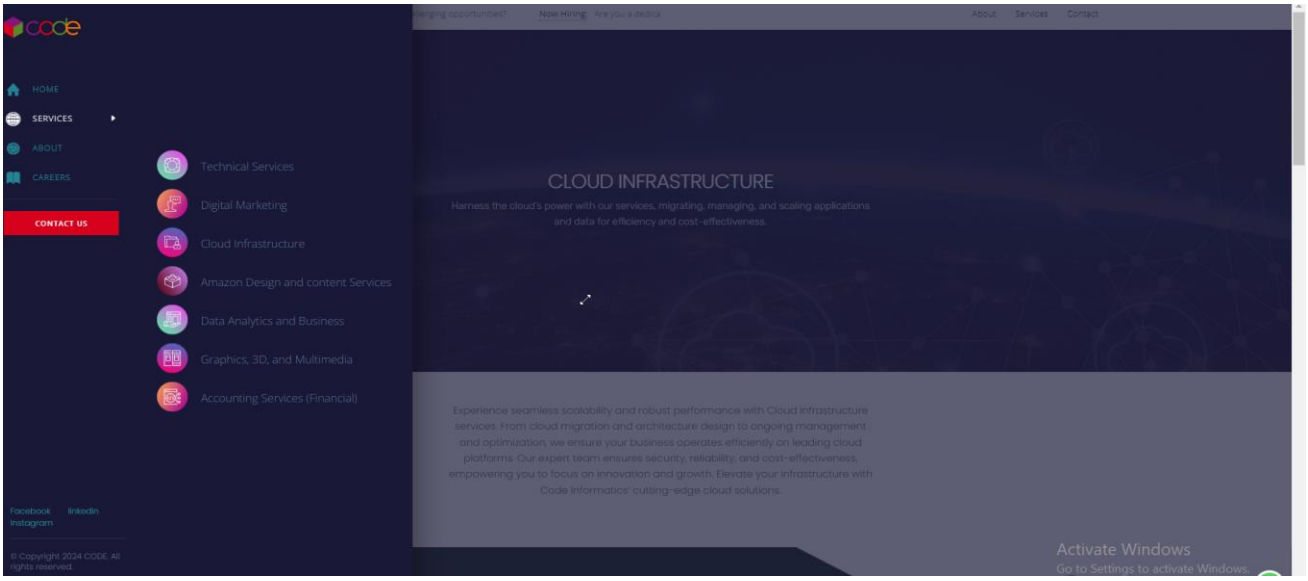


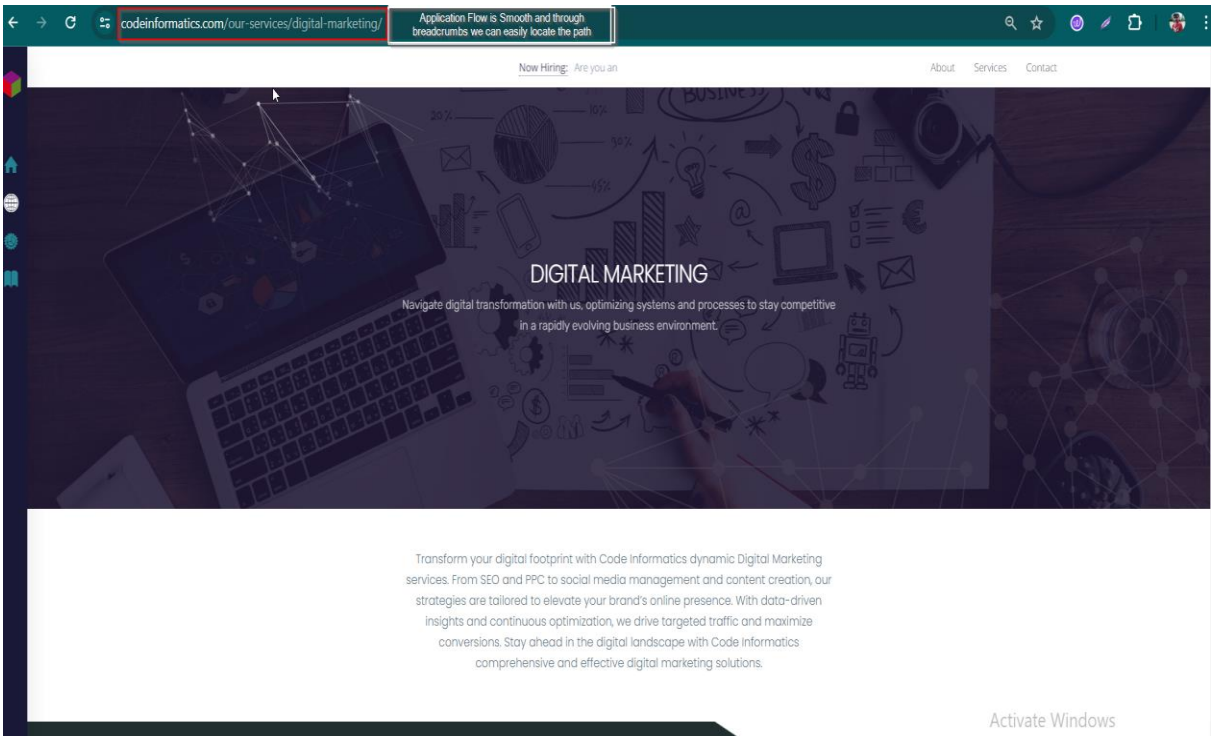
Usability Testing:

In Usability Testing, User Friendliness has been checked

Application Flow is tested and Productivity has been enhanced.

In this particular Website, Icons are added to make it easier for user to understand the purpose of each element.

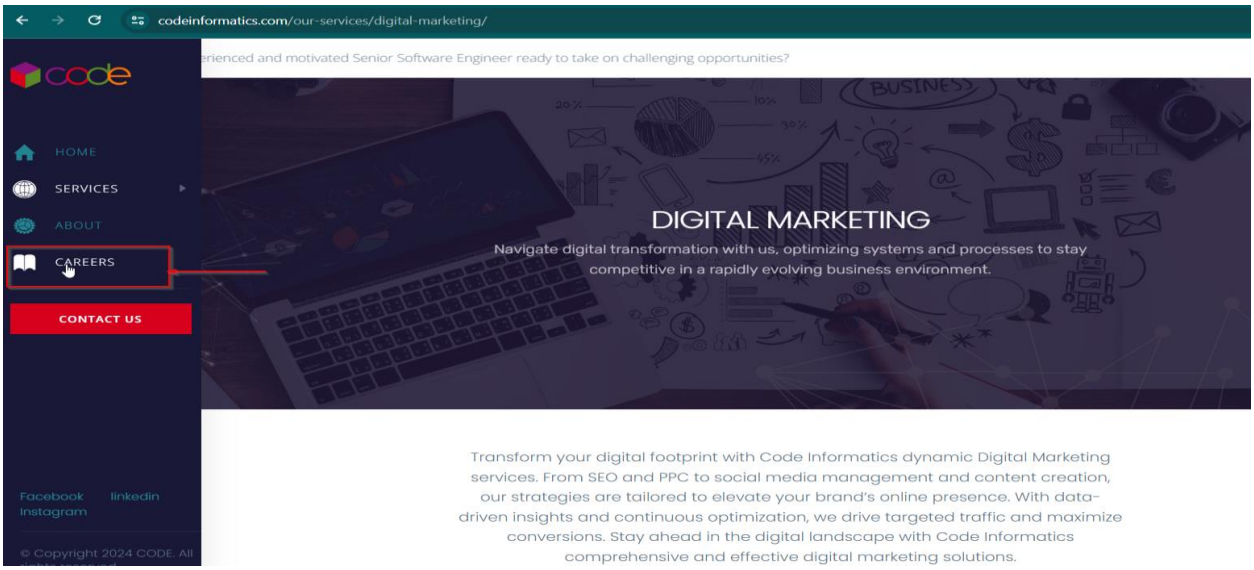


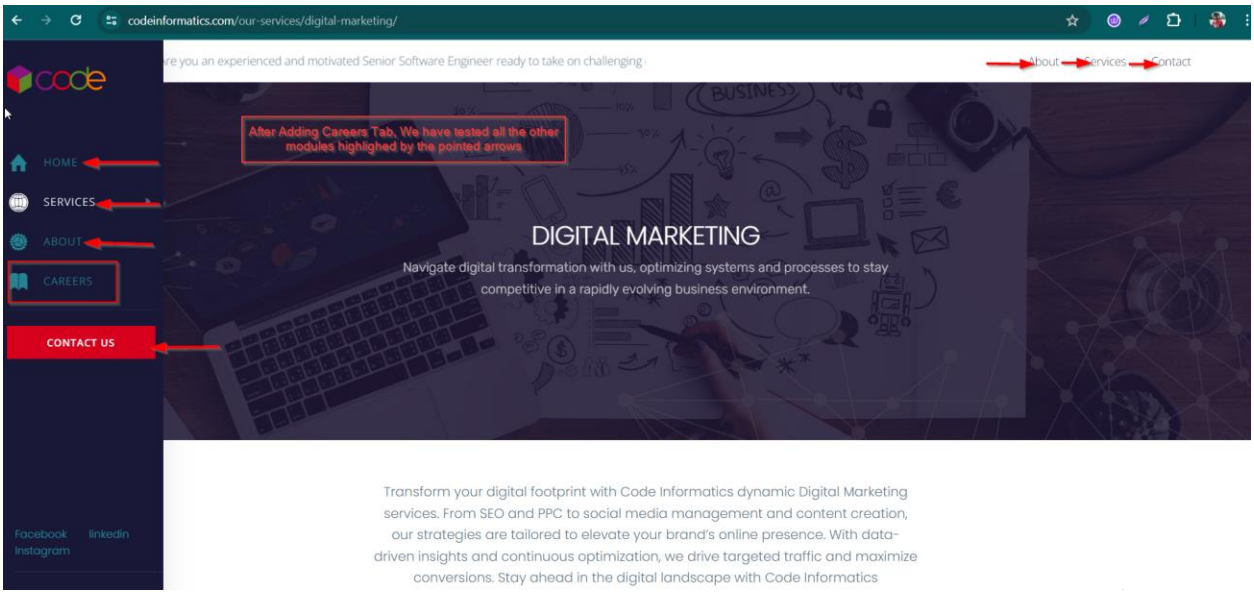


Regression Testing:

In Regression Testing, Once we add a new Module/Functionality we have to test the complete modules from the start to check whether the newly added functionality has affected the other modules or not.

Let's Suppose, We have added a new Module named Careers in the Code Informatics Website, Now we have to test the other modules from the start as well.

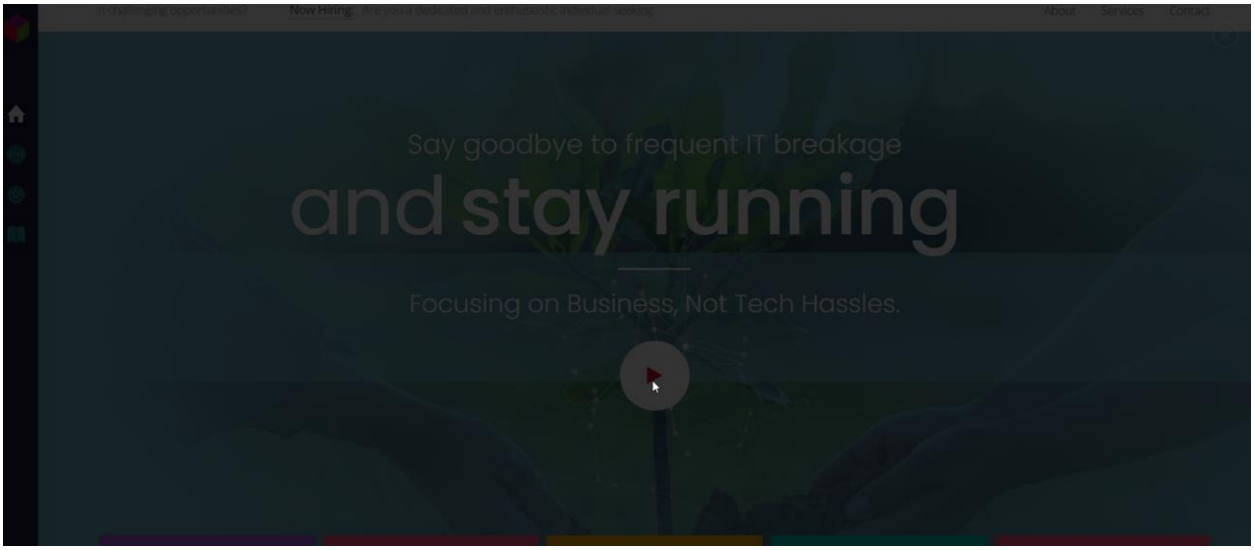


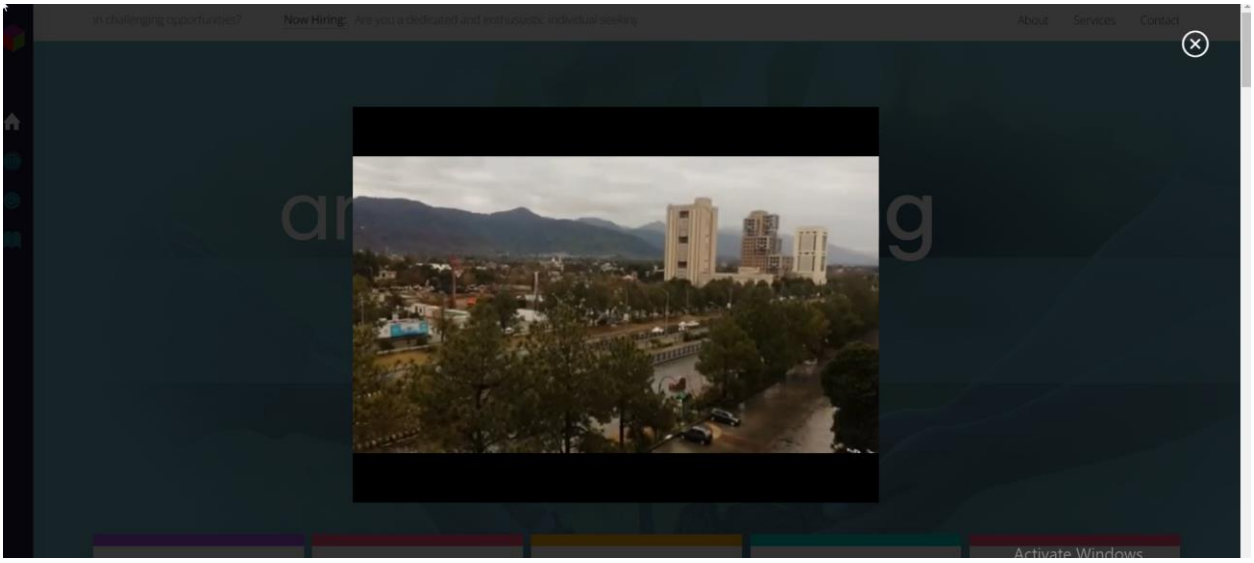


Load Testing:

It's a performance test to check system behavior under Load to determine at what point the system's response time degrades or fails.

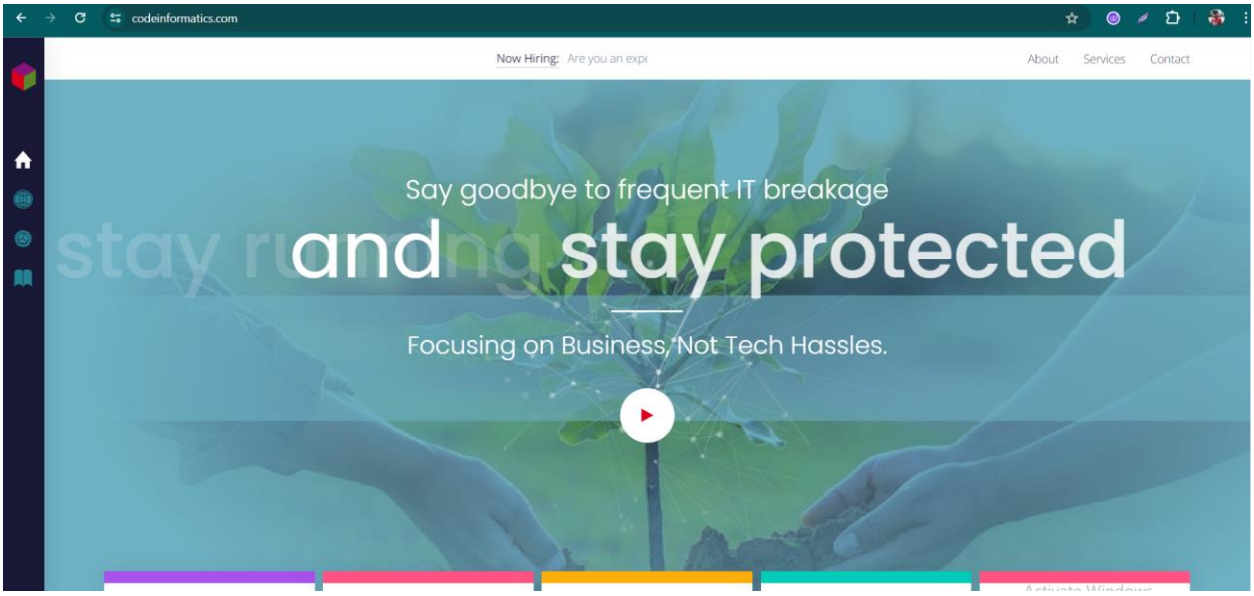
To perform Load Testing on the Code Informatics Website, We will test the response or buffering time of the video that is added to this particular website.

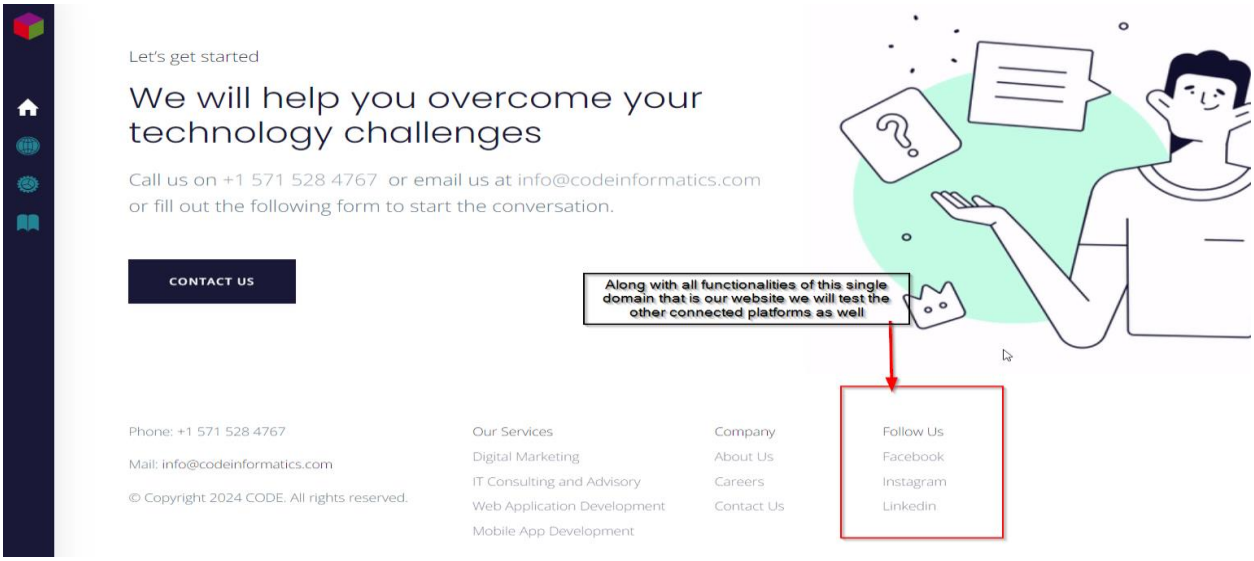




End-to-End Testing:

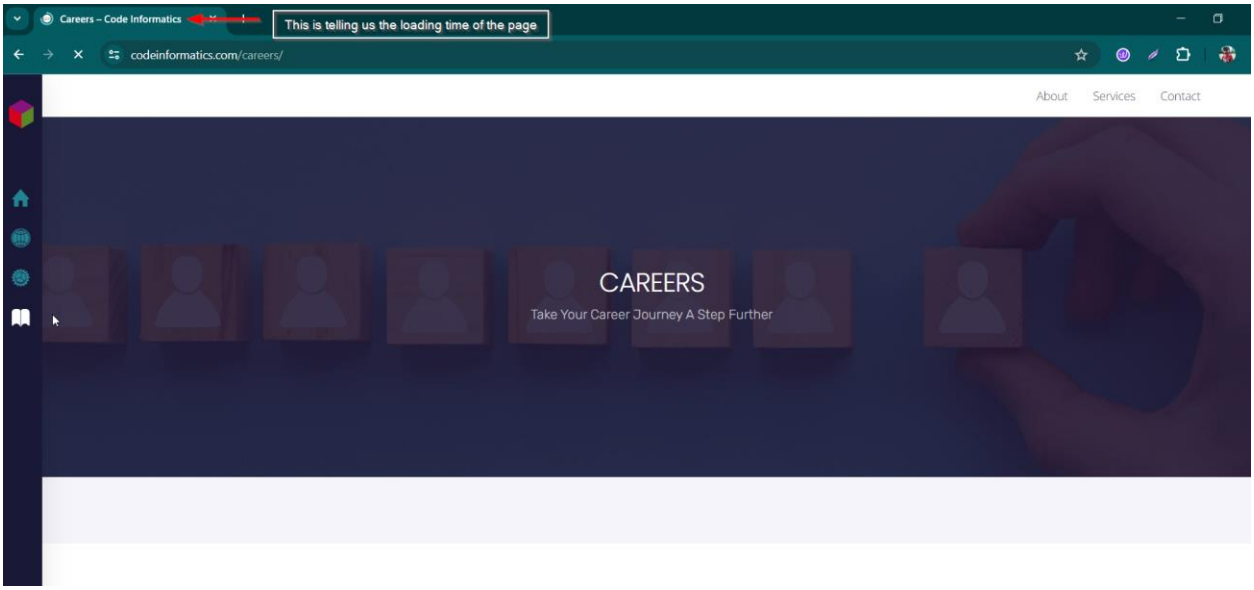
In End-to-End Testing, the Complete System is tested in the real-world environment including every domain, focusing on every aspect.





Performance Testing:

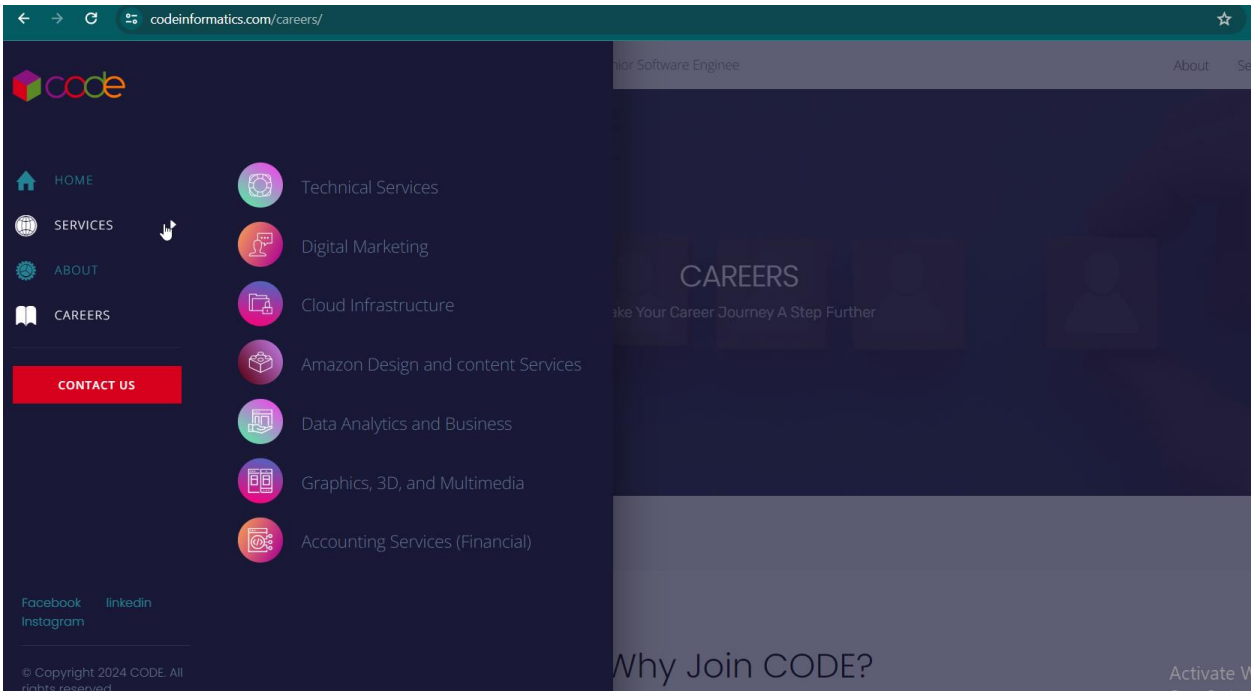
Performance Testing is done to check whether the system meets performance requirements. To check the credibility such as loading time, efficiency, response time, etc.



Sanity Testing:

Sanity Testing is done to check whether the new version of the system is performing well enough for further testing that is it must not have a major bug which can crash the application and make the further testing impossible.

Let's Suppose we have added the Services Module in our System and release a new build of the Website, we will perform the Sanity Testing whether the System is running fine or not, otherwise we will not be able to test the system further.

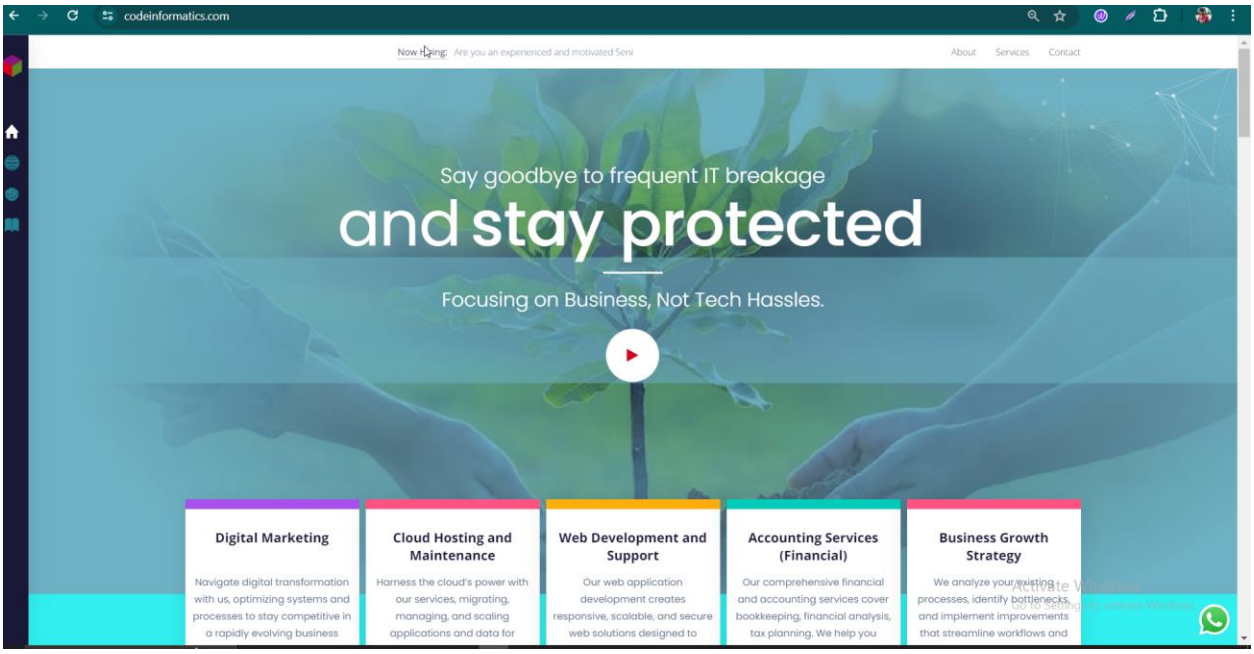


Other Types of Software Testing:

There are some other types of Software Testing which is not done by the SQA team. Following are those types.

User Acceptance Testing:

In User Acceptance Testing, the Customer will test every functionality of the whole system in his environment.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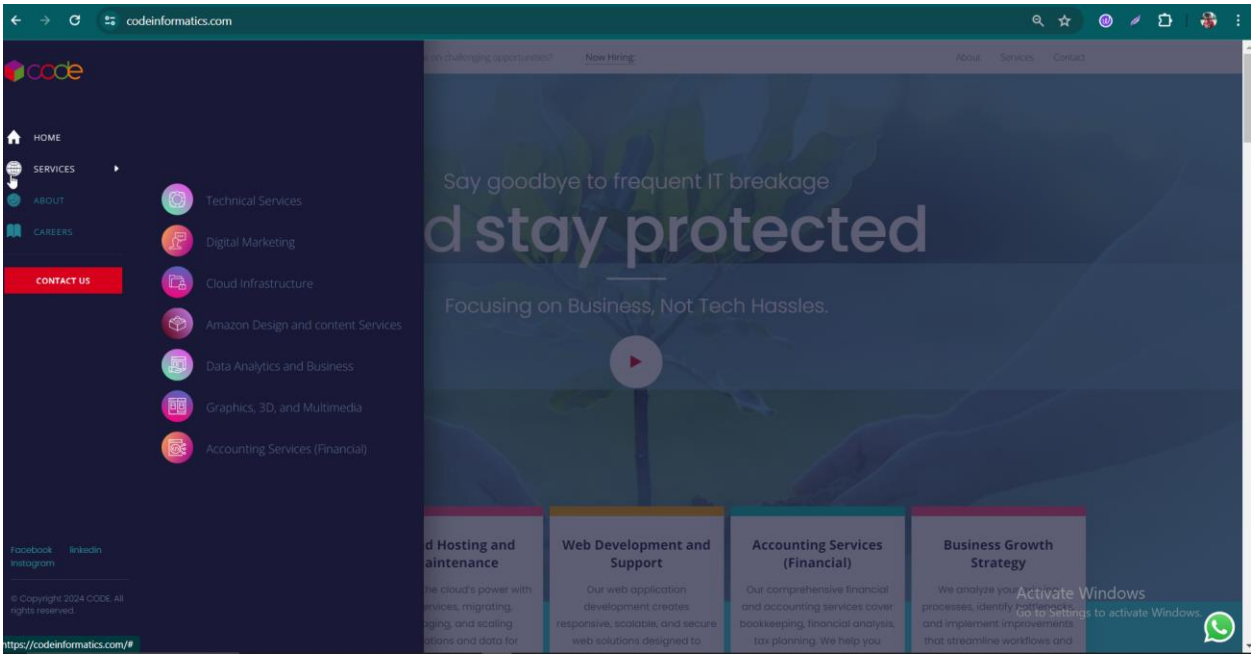
Harness the cloud's power with our services, migrating, managing, and scaling applications and data for
Web Development and Support
Our web application development creates responsive, scalable, and secure web solutions designed to
Accounting Services (Financial)
Our comprehensive financial and accounting services cover bookkeeping, financial analysis, tax planning. We help you
Business Growth Strategy
We analyze your existing processes, identify bottlenecks, and implement improvements that streamline workflows and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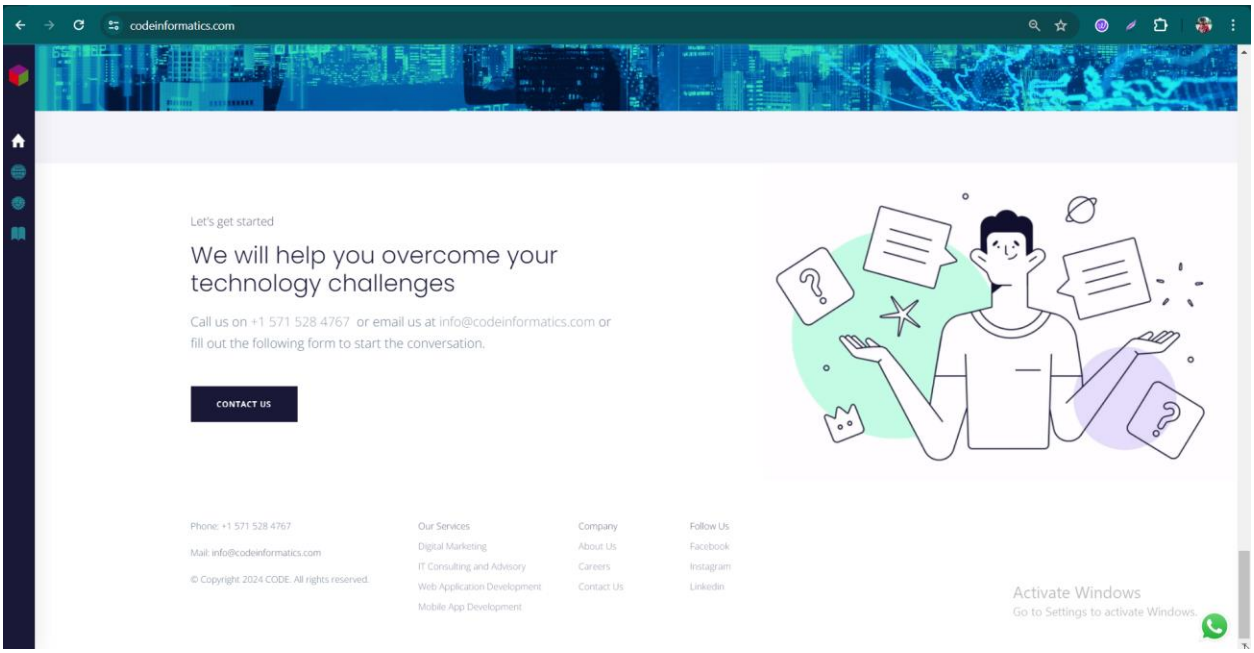
We analyze your existing processes, identify bottlenecks, and implement improvements that streamline workflows and



Unit Testing:

Unit Testing is done by the developer. The developer tests his code before going into further testing to make it more efficient.

Conclusion:

These are some of the major testing types which we are using to test this particular website. There are some other types as well which can be used as per requirement. Some of those testing types are Monkey, Smoke, Exploratory, etc.