Software Testing Types

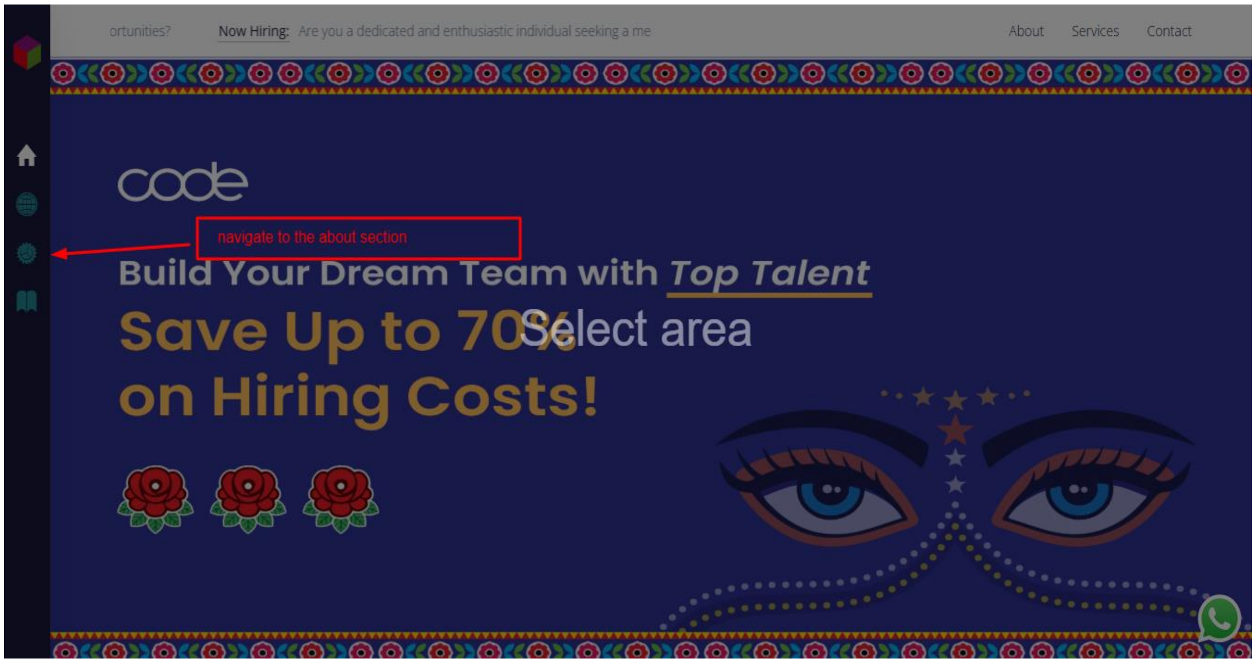
Purpose of this Document

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

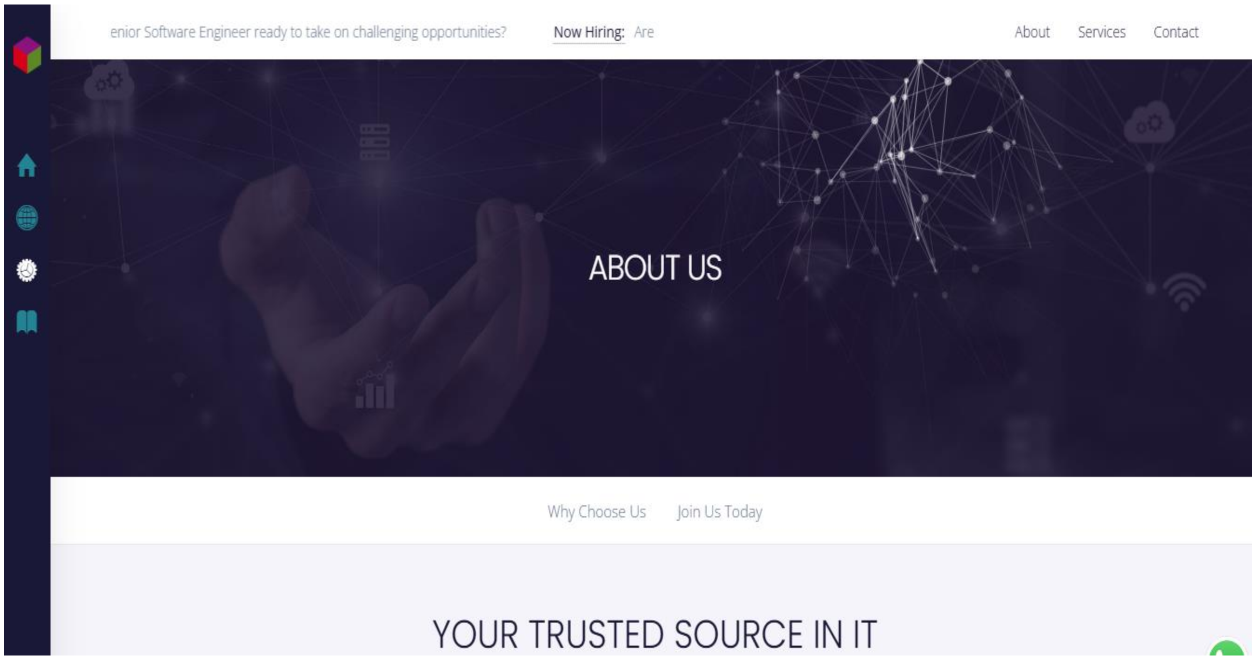
TABLE OF CONTENT

Black Box Testing:

In Black Box Testing, we check how the website works based on the requirements (SRS) without looking at the internal code or logic.


ortunities?
Now Hiring: Are you a dedicated and enthusiastic individual seeking a me
About
Services
Contact
code
navigate to the about section
Build Your Dream Team with Top Talent
Save Up to 70%
on Hiring Costs!
Select area

When we click on the about tab, we are directed to the about us Page so this functionality is working as expected.


enior Software Engineer ready to take on challenging opportunities?
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Why Choose Us
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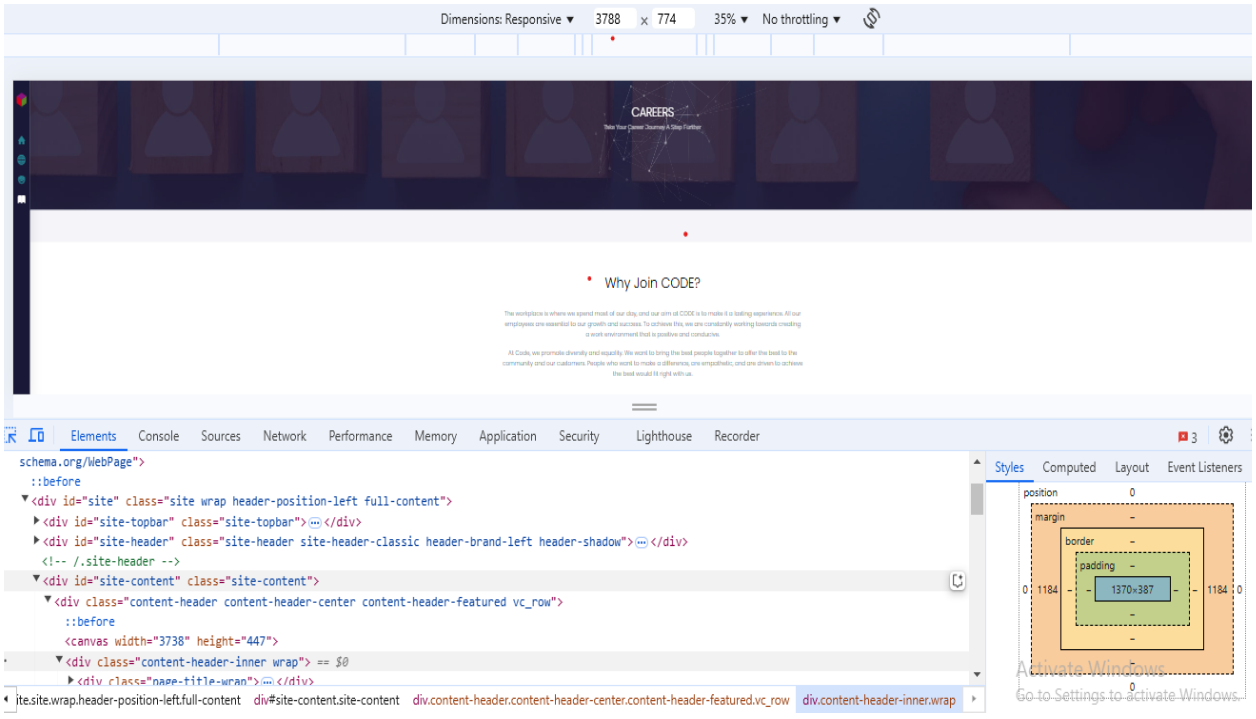
YOUR TRUSTED SOURCE IN IT

White Box Testing:

In White Box Testing, we need to understand the internal logic of code. This means we test the website by looking at its code and checking how it works from the inside.


Dimensions: Responsive ▾ 3788 x 774 35% ▾ No throttling ▾
CAREERS
Why Join CODE?
Elements Console Sources Network Performance Memory Application Security Lighthouse Recorder
Styles Computed Layout Event Listeners
position
margin
border
padding
1370×387
Activate Windows
Go to Settings to activate Windows.

```
schema.org/WebPage">
  ::before
▼<div id="site" class="site wrap header-position-left full-content">
  ▶<div id="site-topbar" class="site-topbar">⋯</div>
  ▶<div id="site-header" class="site-header site-header-classic header-brand-left header-shadow">⋯</div>
   <!-- /.site-header -->
  ▼<div id="site-content" class="site-content">
    ▼<div class="content-header content-header-center content-header-featured vc_row">
       ::before
       <canvas width="3738" height="447">
      ▼<div class="content-header-inner wrap"> == $0
        ▶<div class="page-title-wrap">⋯</div>
```

```
ite.site.wrap.header-position-left.full-content  div#site-content.site-content  div.content-header.content-header-center.content-header-featured.vc_row  div.content-header-inner.wrap
```

In this we test the code of careers page and also check the internal logics of the website.

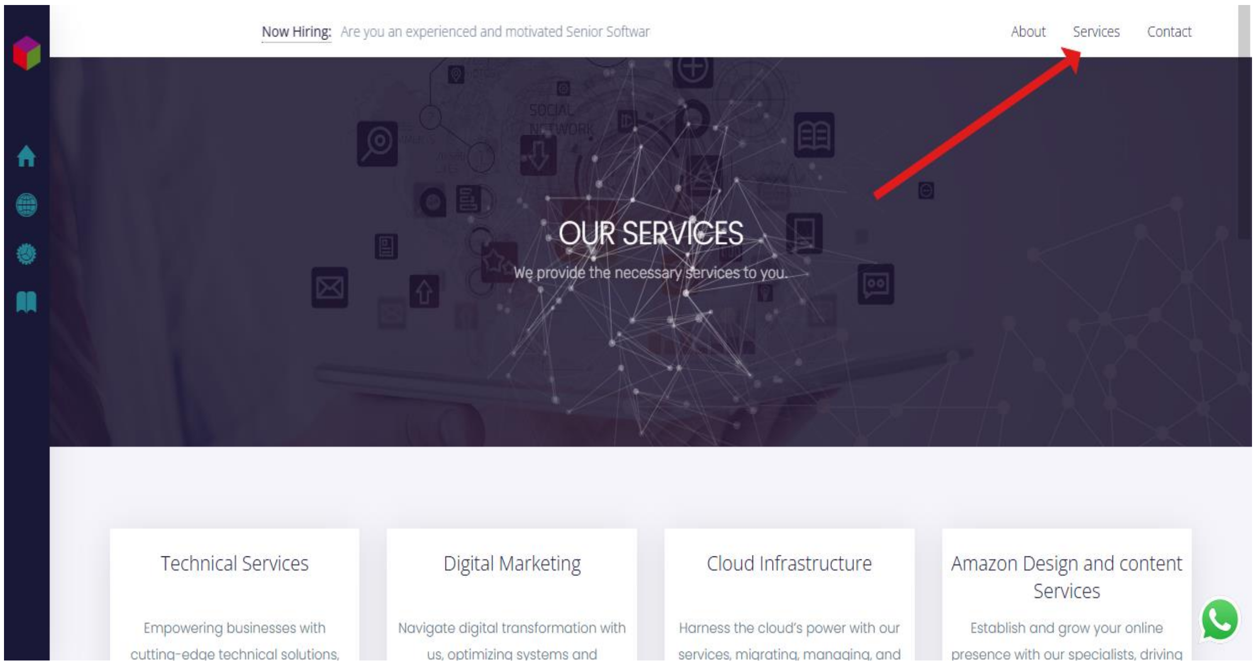
Unit Testing:

Unit Testing is done by the developer to check if individual parts of the code work correctly. Before moving on to other types of testing, the developer tests small sections of the code to find and fix errors early, making the overall software more efficient and reliable.

Integration Testing:

In Integration Testing, we check how the newly added module works together with existing modules, ensuring smooth interaction and correct data flow between them.

Consider we first have a module of Services, featuring all the services we are providing like digital marketing, cloud infrastructure, technical services and amazon design etc. Now we open some of them to check if all of these are integrated well with each other and there are no bugs in existing module after adding new module.


Now Hiring: Are you an experienced and motivated Senior Softwar
About
Services
Contact

OUR SERVICES

We provide the necessary services to you.

Technical Services

Empowering businesses with cutting-edge technical solutions,

Digital Marketing

Navigate digital transformation with us, optimizing systems and

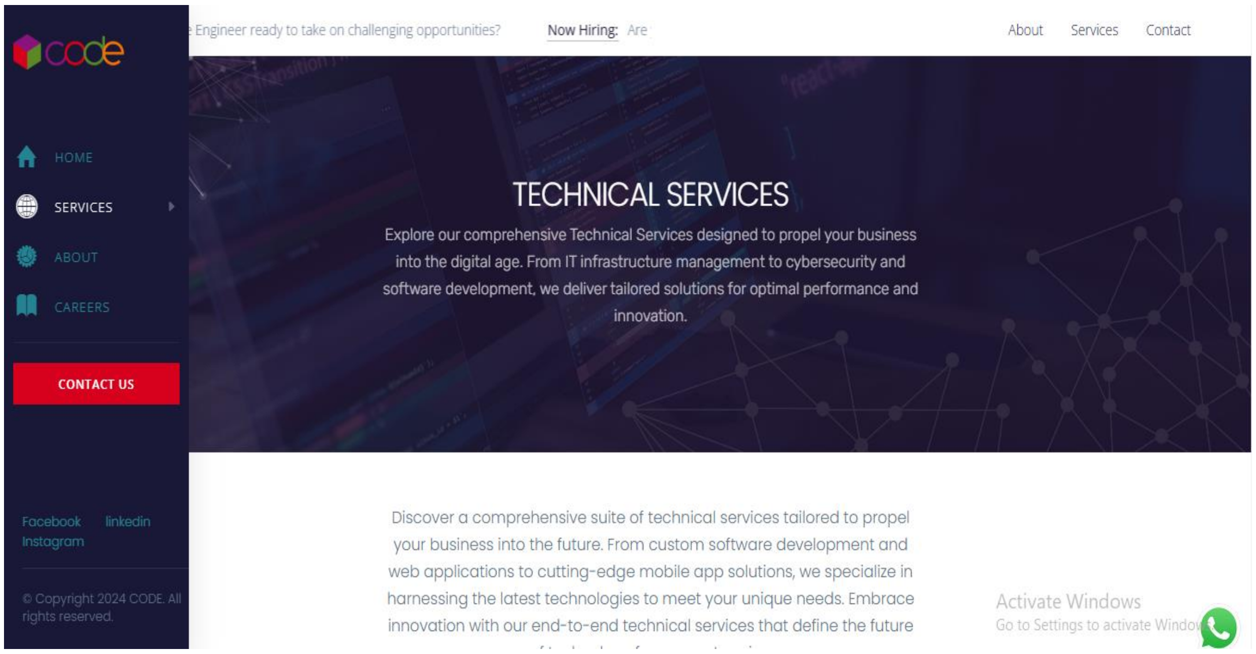
Cloud Infrastructure

Harness the cloud's power with our services, migrating, managing, and

Amazon Design and content Services

Establish and grow your online presence with our specialists, driving

Technical services



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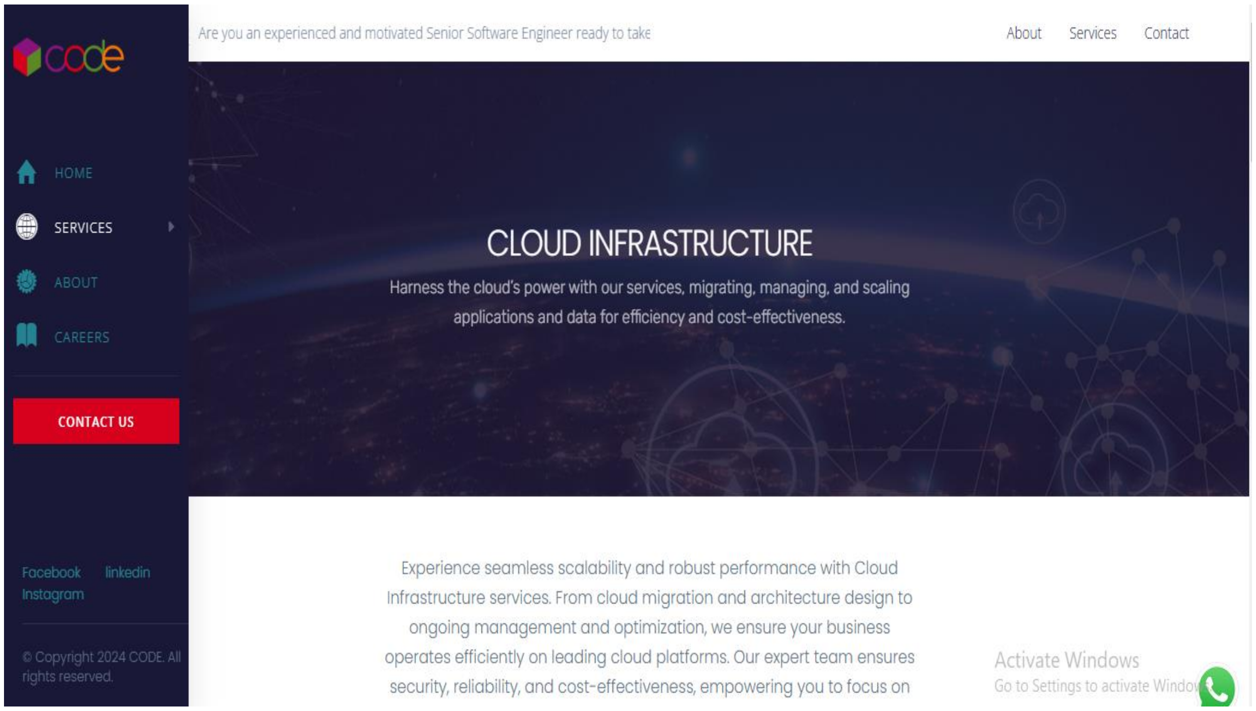
TECHNICAL SERVICES

Explore our comprehensive Technical Services designed to propel your business into the digital age. From IT infrastructure management to cybersecurity and software development, we deliver tailored solutions for optimal performance and innovation.

Discover a comprehensive suite of technical services tailored to propel your business into the future. From custom software development and web applications to cutting-edge mobile app solutions, we specialize in harnessing the latest technologies to meet your unique needs. Embrace innovation with our end-to-end technical services that define the future

Cloud infrastructure



Are you an experienced and motivated Senior Software Engineer ready to take

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CAREERS
CONTACT US

CLOUD INFRASTRUCTURE

Harness the cloud's power with our services, migrating, managing, and scaling applications and data for efficiency and cost-effectiveness.

Experience seamless scalability and robust performance with Cloud Infrastructure services. From cloud migration and architecture design to ongoing management and optimization, we ensure your business operates efficiently on leading cloud platforms. Our expert team ensures security, reliability, and cost-effectiveness, empowering you to focus on

Facebook linkedin Instagram

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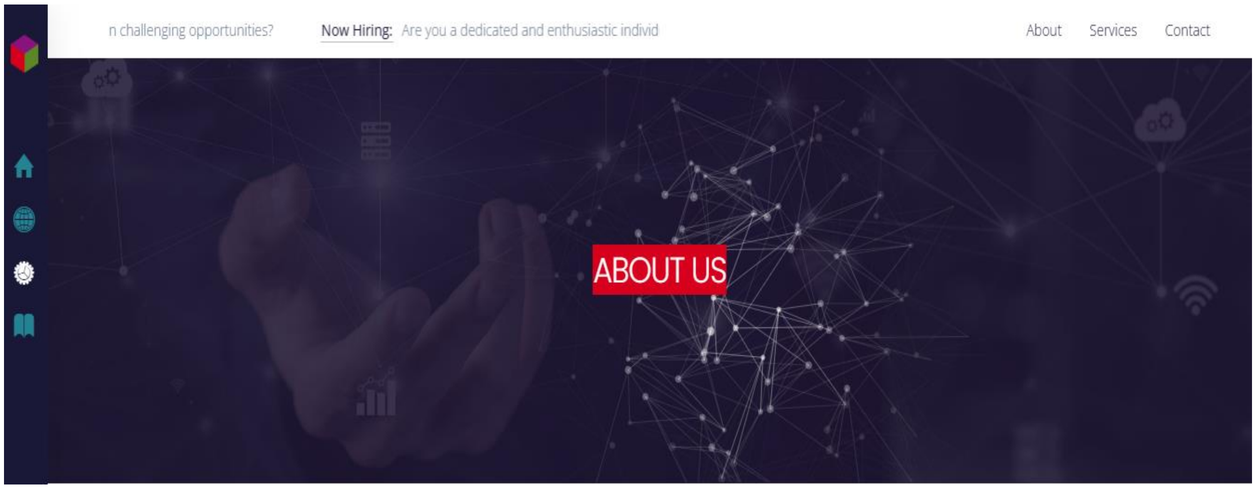
Go to Settings to activate Windows

So, all of these services are integrated and performing well with the services module as per the user's requirement.

Functional Testing:

In Functional Testing, we check whether all the features of the website work as expected based on the Software Requirement Specification (SRS).

When we click on the about us or career tab we landed on the about us or career page respectively this shows that our website functions properly.



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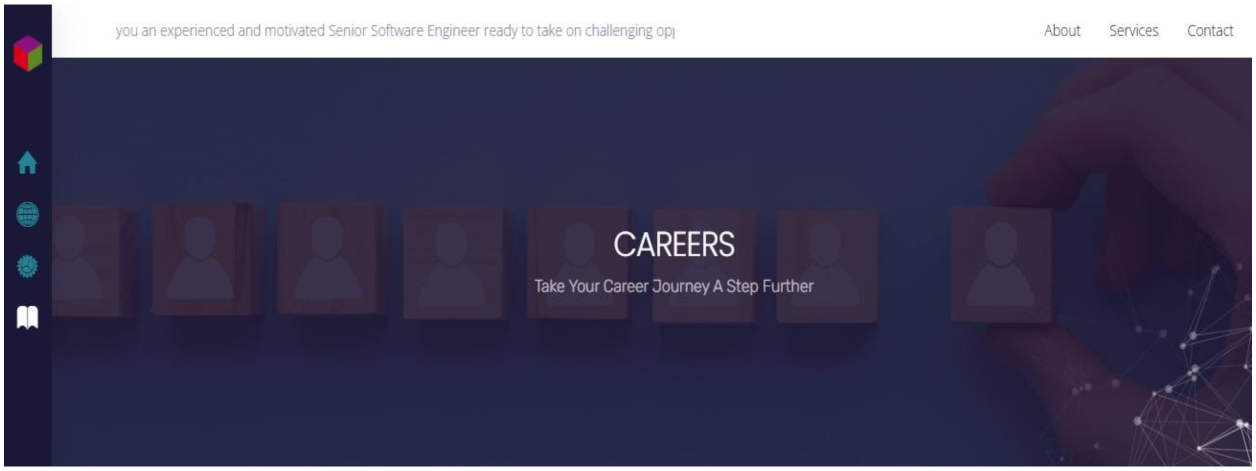
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CAREERS
Take Your Career Journey A Step Further

System Testing:

The entire system's functionality is tested based on the requirements. Focus should be on a specific domain, whether it's a website, mobile app, or hardware.

The entire modules of Code Informatics will be tested.

1. Home

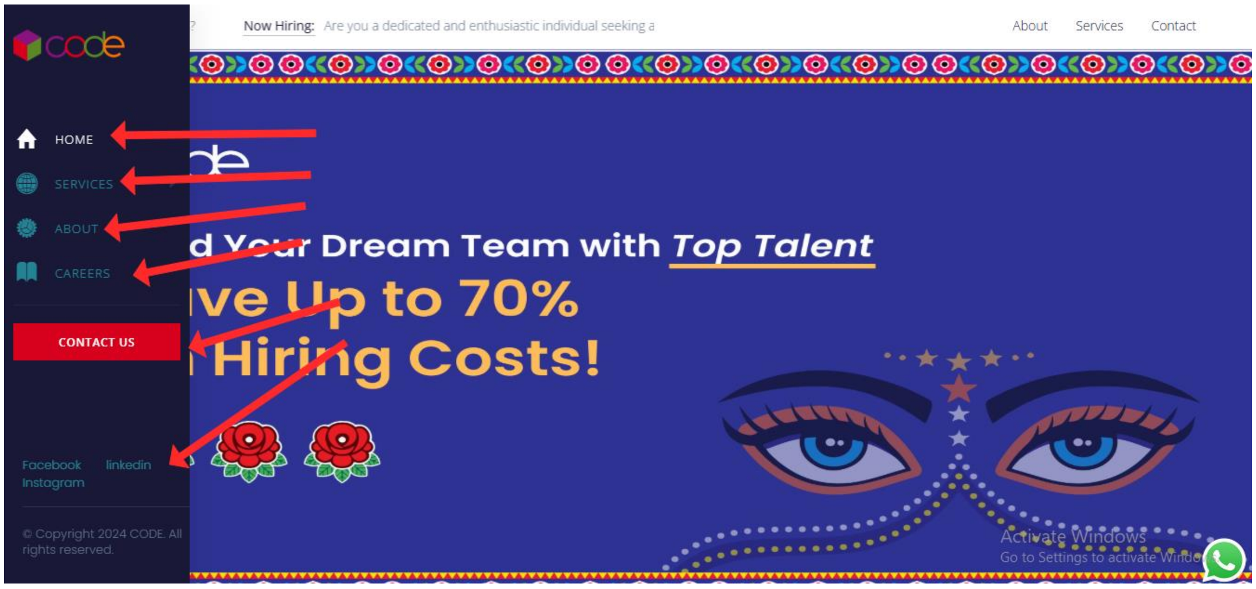
2. Services

3. About

4. Careers

5. Contact Us

And all other features and modules will be tested.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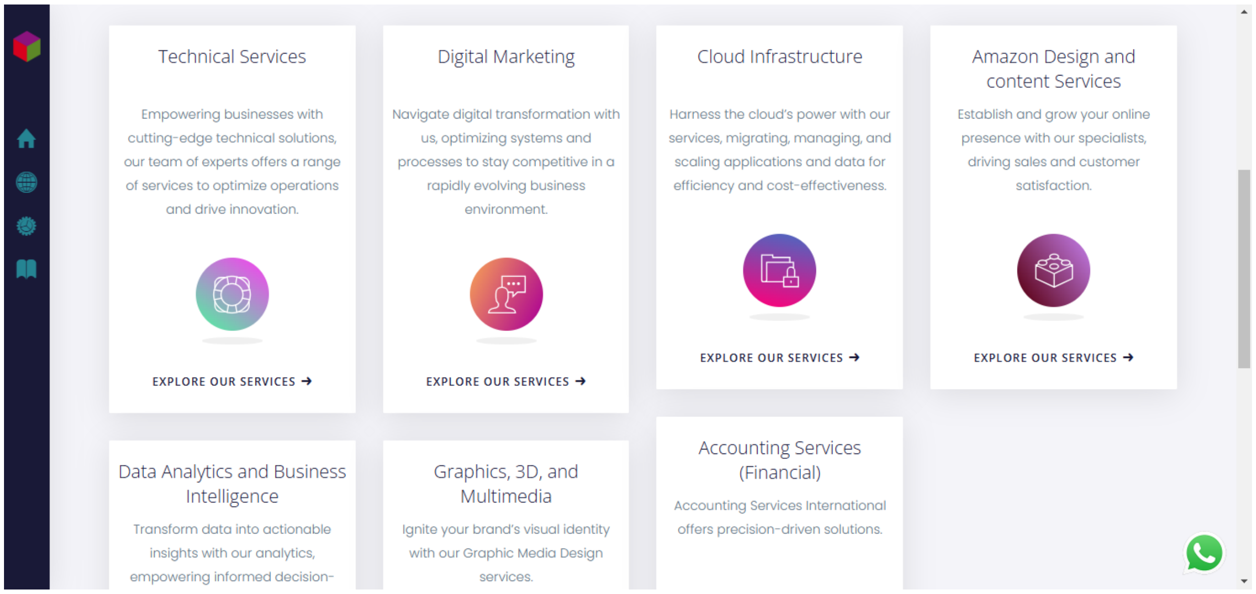
Hiring Costs!

These services modules are also tested to ensure that all are meeting user's requirements



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Empowering businesses with cutting-edge technical solutions, our team of experts offers a range of services to optimize operations and drive innovation.

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Digital Marketing

Navigate digital transformation with us, optimizing systems and processes to stay competitive in a rapidly evolving business environment.

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Cloud Infrastructure

Harness the cloud's power with our services, migrating, managing, and scaling applications and data for efficiency and cost-effectiveness.

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Amazon Design and content Services

Establish and grow your online presence with our specialists, driving sales and customer satisfaction.

EXPLORE OUR SERVICES →

Data Analytics and Business Intelligence

Transform data into actionable insights with our analytics, empowering informed decision-

Graphics, 3D, and Multimedia

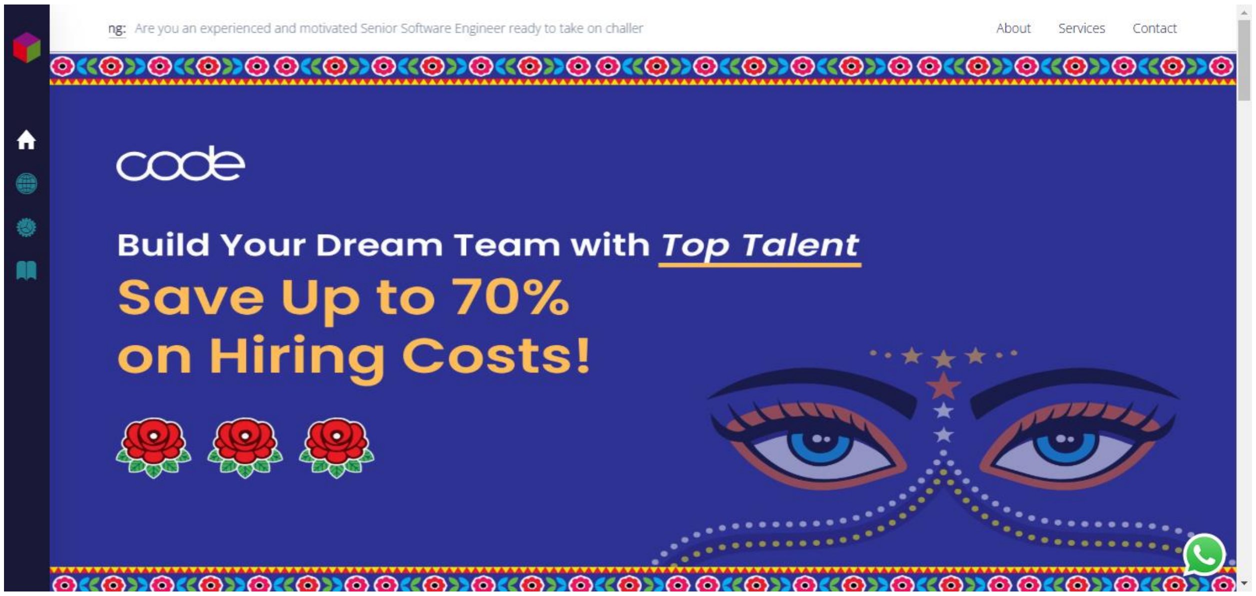
Ignite your brand's visual identity with our Graphic Media Design services.

Accounting Services (Financial)

Accounting Services International offers precision-driven solutions.

End to End Testing:

End-to-End Testing evaluates the entire system in a real-world scenario, covering all domains and ensuring that every feature works as expected across different aspects.



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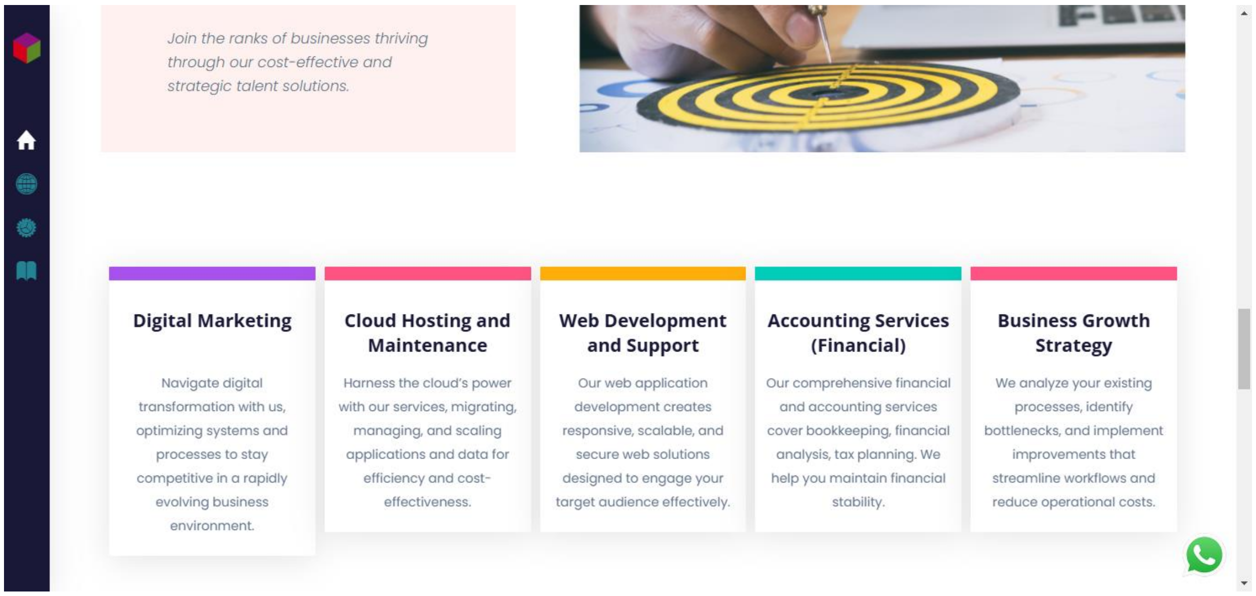


Join the ranks of businesses thriving through our cost-effective and strategic talent solutions.

Digital Marketing

Navigate digital transformation with us, optimizing systems and processes to stay competitive in a rapidly evolving business environment.

Cloud Hosting and Maintenance

Harness the cloud's power with our services, migrating, managing, and scaling applications and data for efficiency and cost-effectiveness.

Web Development and Support

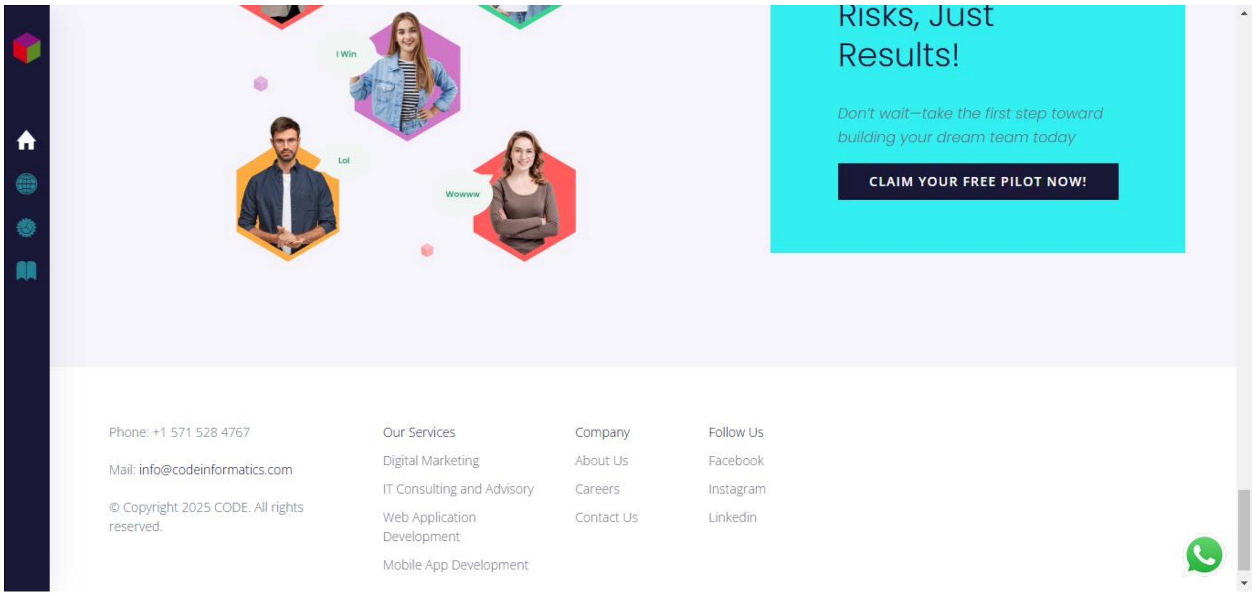
Our web application development creates responsive, scalable, and secure web solutions designed to engage your target audience effectively.

Accounting Services (Financial)

Our comprehensive financial and accounting services cover bookkeeping, financial analysis, tax planning. We help you maintain financial stability.

Business Growth Strategy

We analyze your existing processes, identify bottlenecks, and implement improvements that streamline workflows and reduce operational costs.



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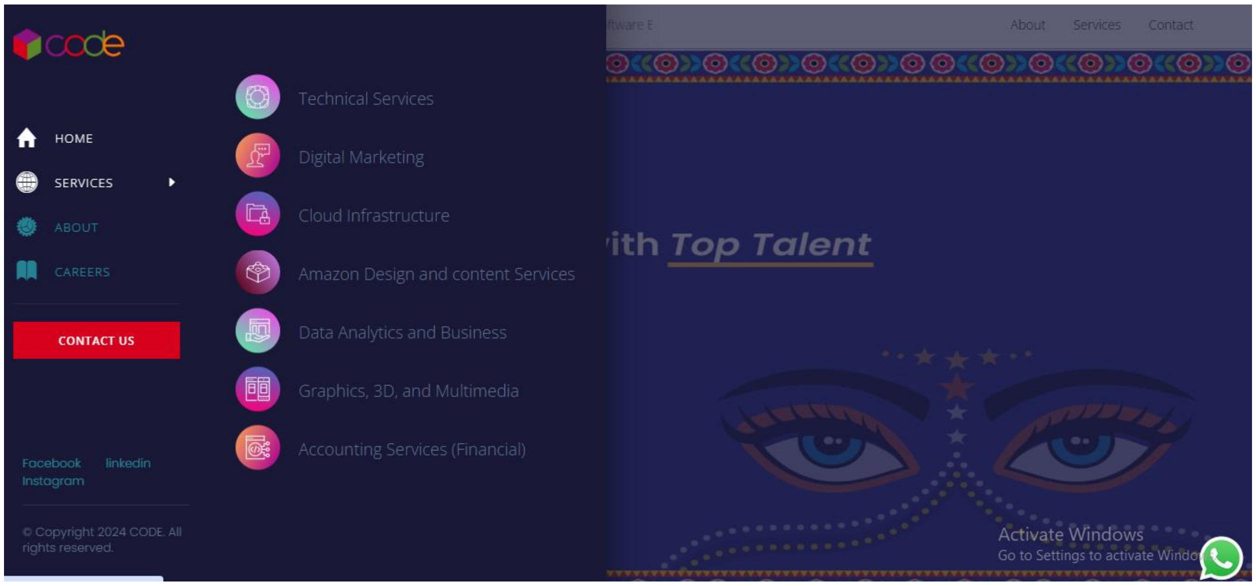
Sanity Testing:

Sanity Testing is done to make sure the new version of the system works well enough for further testing. It checks for major bugs that could crash the application and stop testing from continuing.

Whenever we add a new module and release the new version of the website we will perform the Sanity Testing whether the System is running fine or not, otherwise we will not be able to do further testing.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Regression Testing:

In Regression Testing, whenever a new module or feature is added, we test the entire system from the beginning to ensure that the new changes haven't negatively impacted the existing modules.

User Acceptance Testing:

In User Acceptance Testing, the customer reviews and tests all system functionalities in their own environment to ensure it meets their needs and expectations.

Here we test the code informatics website by keeping in mind the end users of our system to ensure that all the functionalities perform well and according to the user requirements.

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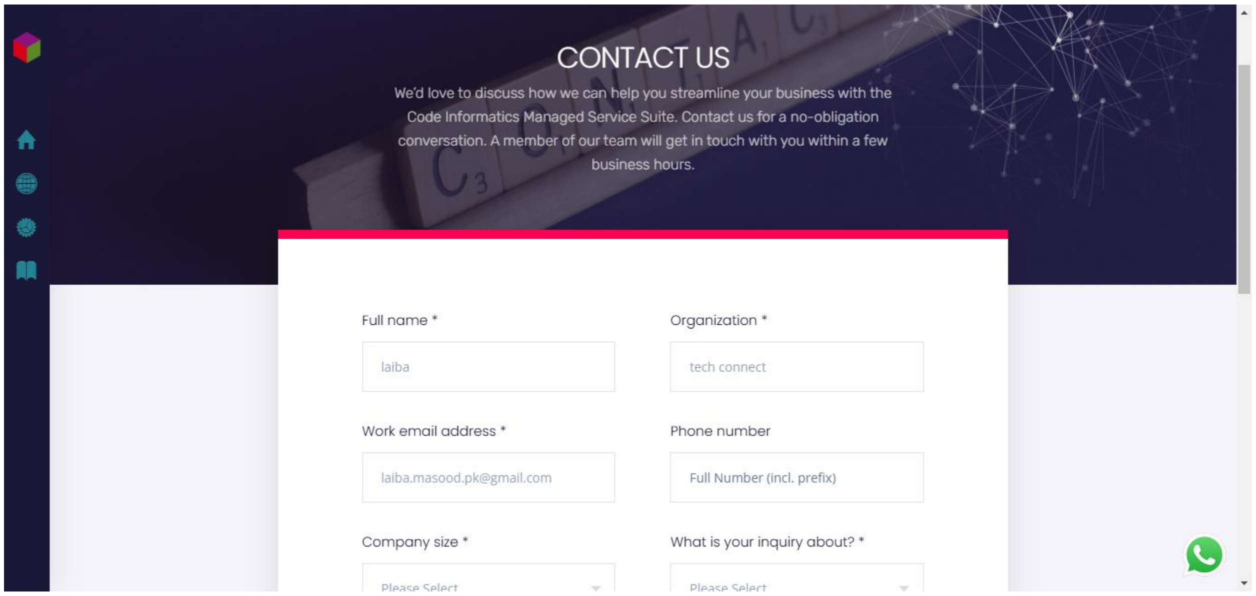
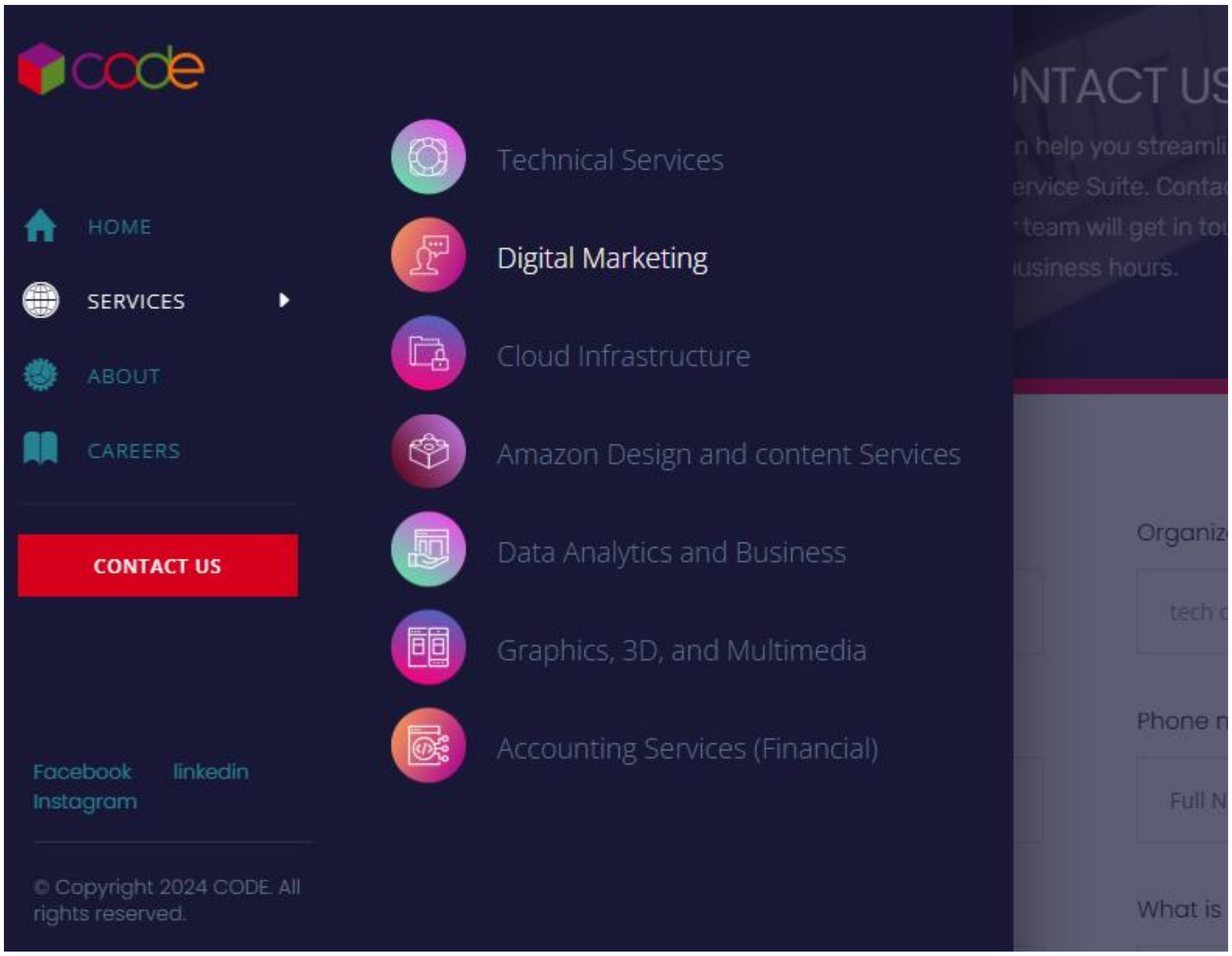


CONTACT US

We'd love to discuss how we can help you streamline your business with the Code Informatics Managed Service Suite. Contact us for a no-obligation conversation. A member of our team will get in touch with you within a few business hours.

Full name *: laiba
Organization *: tech connect
Work email address *: laiba.masood.pk@gmail.com
Phone number: Full Number (incl. prefix)
Company size *: Please Select
What is your inquiry about? *: Please Select



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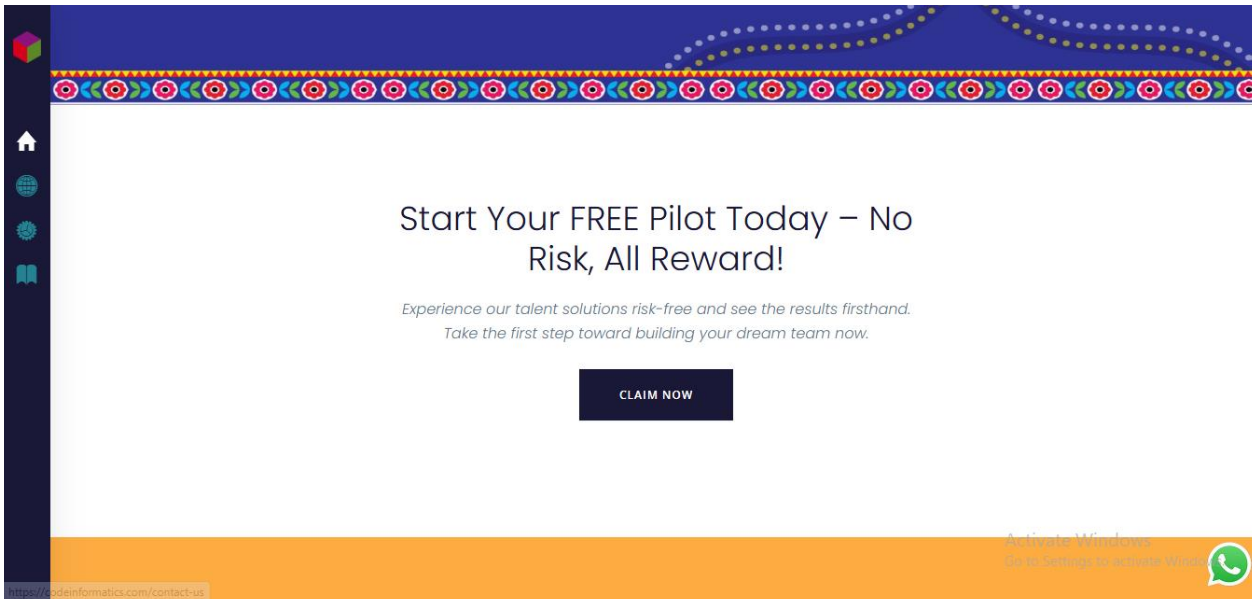
Load Testing:

Load testing is the method to see how the system performs under heavy use, checking when its response time slows down or stops working.



Start Your FREE Pilot Today – No Risk, All Reward!

Experience our talent solutions risk-free and see the results firsthand. Take the first step toward building your dream team now.

CLAIM NOW
https://codeinformatics.com/contact-us
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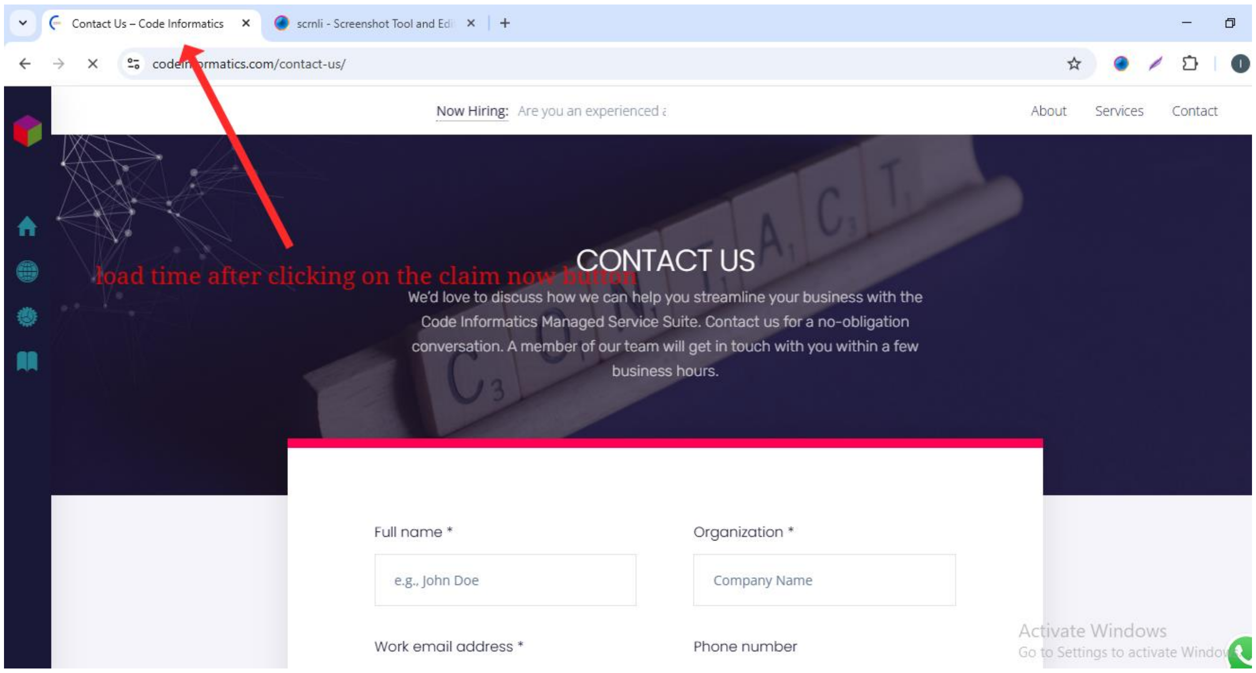
After clicking on the 'Claim Now' button, it takes some time to load before opening the next linked page



Contact Us – Code Informatics
scrnli - Screenshot Tool and Edi
codeinformatics.com/contact-us/
Now Hiring: Are you an experienced
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load time after clicking on the claim now button

CONTACT US

We'd love to discuss how we can help you streamline your business with the Code Informatics Managed Service Suite. Contact us for a no-obligation conversation. A member of our team will get in touch with you within a few business hours.

Full name * e.g., John Doe

Organization * Company Name

Work email address *

Phone number

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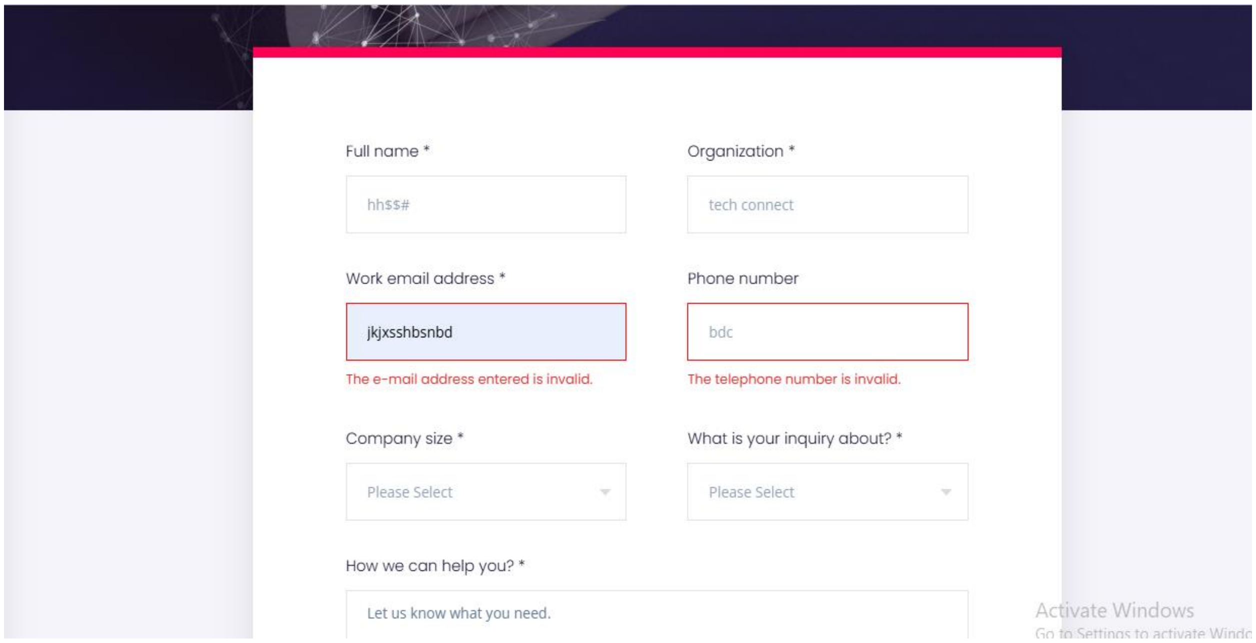
Stress Testing:

In Stress Testing, the system is pushed beyond its limits to see when and how it breaks. It’s a way of testing how the system handles difficult or unexpected situations.

Here in code informatics contact us page we give unexpected inputs to check how our website handles this situation



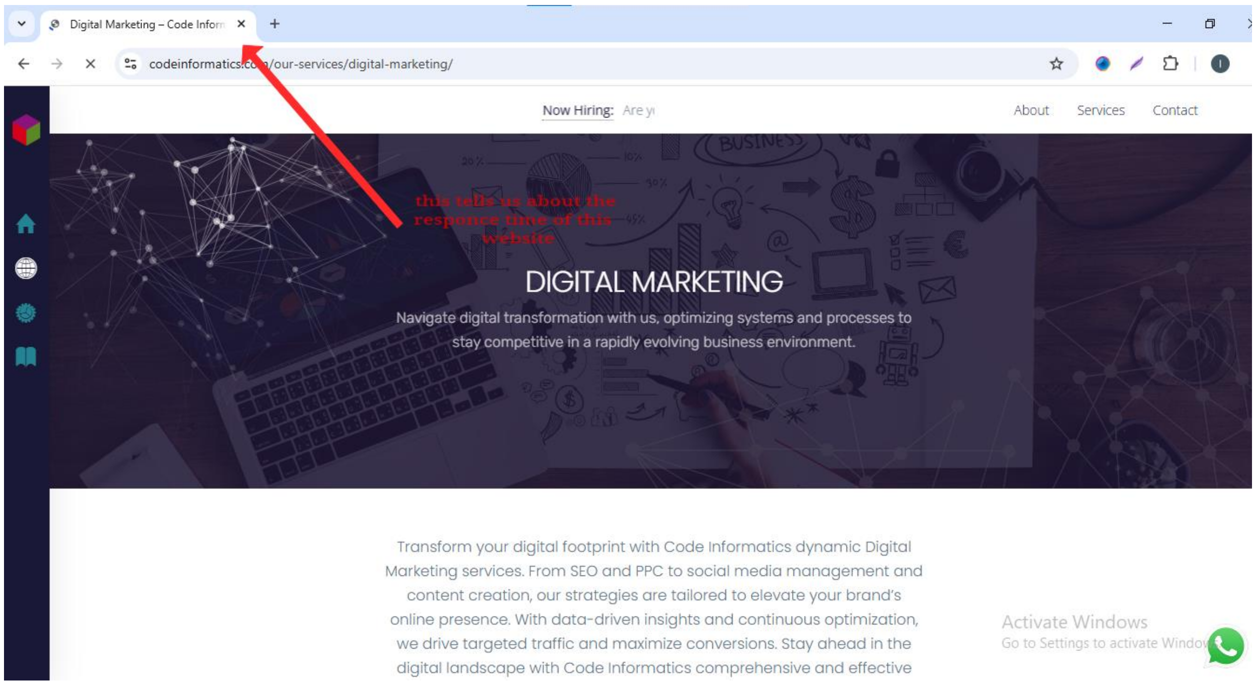
Full name *	Organization *
hh$$#	tech connect
Work email address *	Phone number
jkjxsshbsnbd	bdc
The e-mail address entered is invalid.	The telephone number is invalid.
Company size *	What is your inquiry about? *
Please Select	Please Select

How we can help you? *

Let us know what you need.

Performance Testing:

Performance Testing is done to see if the system meets its performance goals, like loading speed, efficiency, and response time, ensuring it works smoothly under different conditions.


Digital Marketing – Code Inform
codeinformatics.com/our-services/digital-marketing/
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Services
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this tells us about the responce time of this website
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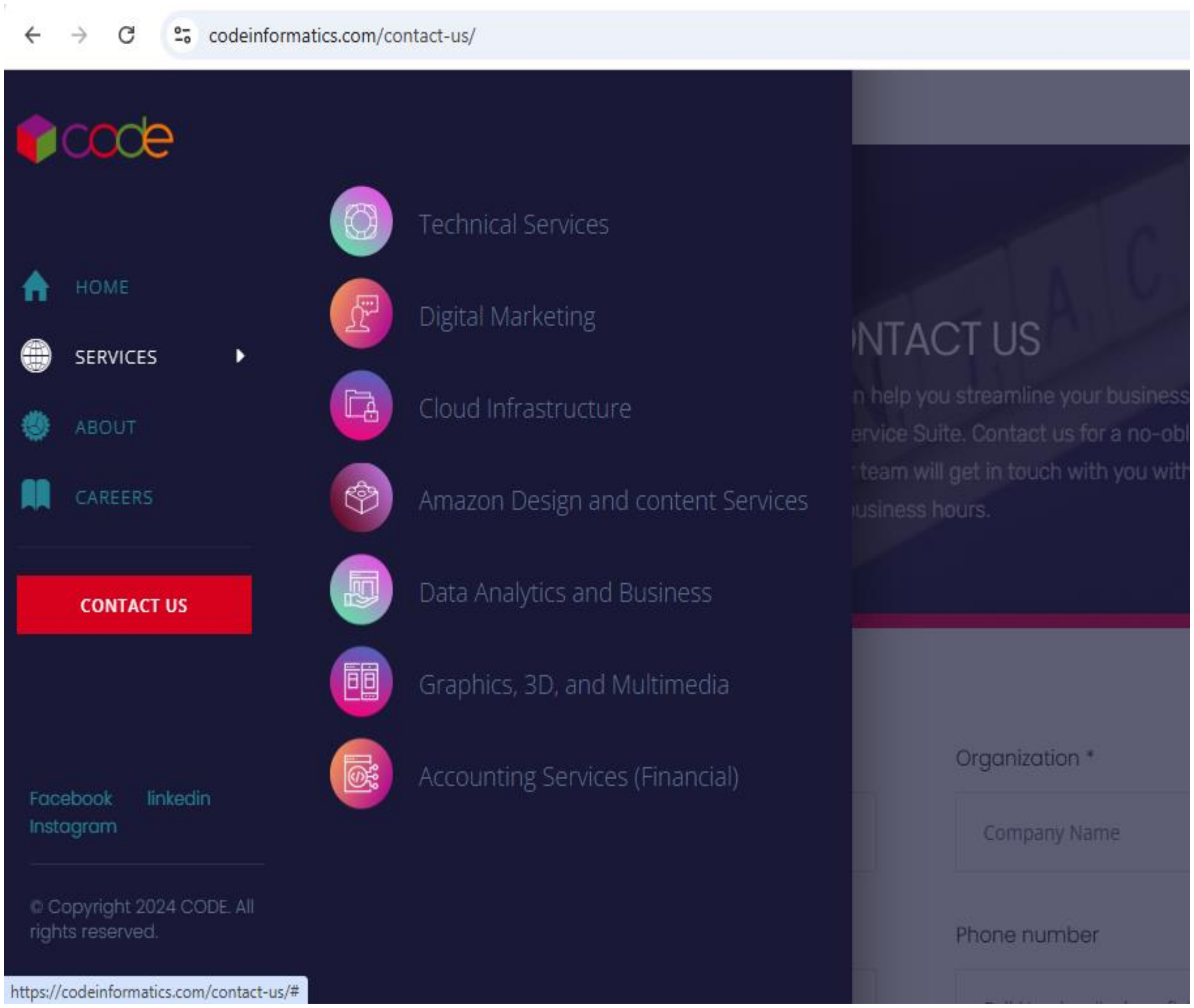
Navigate digital transformation with us, optimizing systems and processes to stay competitive in a rapidly evolving business environment.

Transform your digital footprint with Code Informatics dynamic Digital Marketing services. From SEO and PPC to social media management and content creation, our strategies are tailored to elevate your brand's online presence. With data-driven insights and continuous optimization, we drive targeted traffic and maximize conversions. Stay ahead in the digital landscape with Code Informatics comprehensive and effective

<u>Usability Testing:</u>

Usability Testing focuses on evaluating how easy and user-friendly the application is. It examines the overall flow of the app and aims to improve the user's experience and efficiency.

In code informatics Website, Icons are added to make it easier for new users to understand the purpose of each web element and provide complete guidance to user. Also the flow of the overall website is smooth.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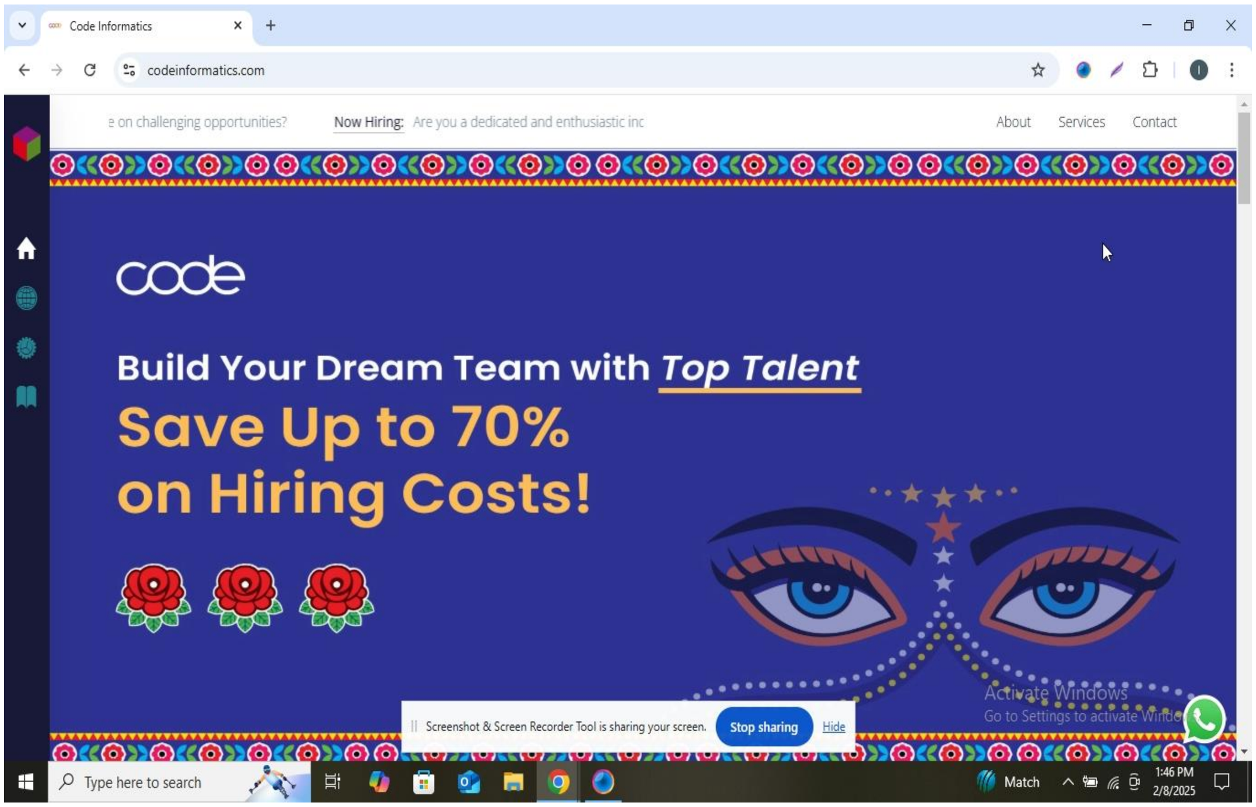
n help you streamline your business
ervice Suite. Contact us for a no-obl
team will get in touch with you with
usiness hours.
Organization *
Company Name
Phone number

<u>Cross Browser Testing:</u>

Type of testing to check if a website works correctly on different web browsers (like Chrome, Firefox, Safari, etc.) to ensure a consistent user experience across all of them.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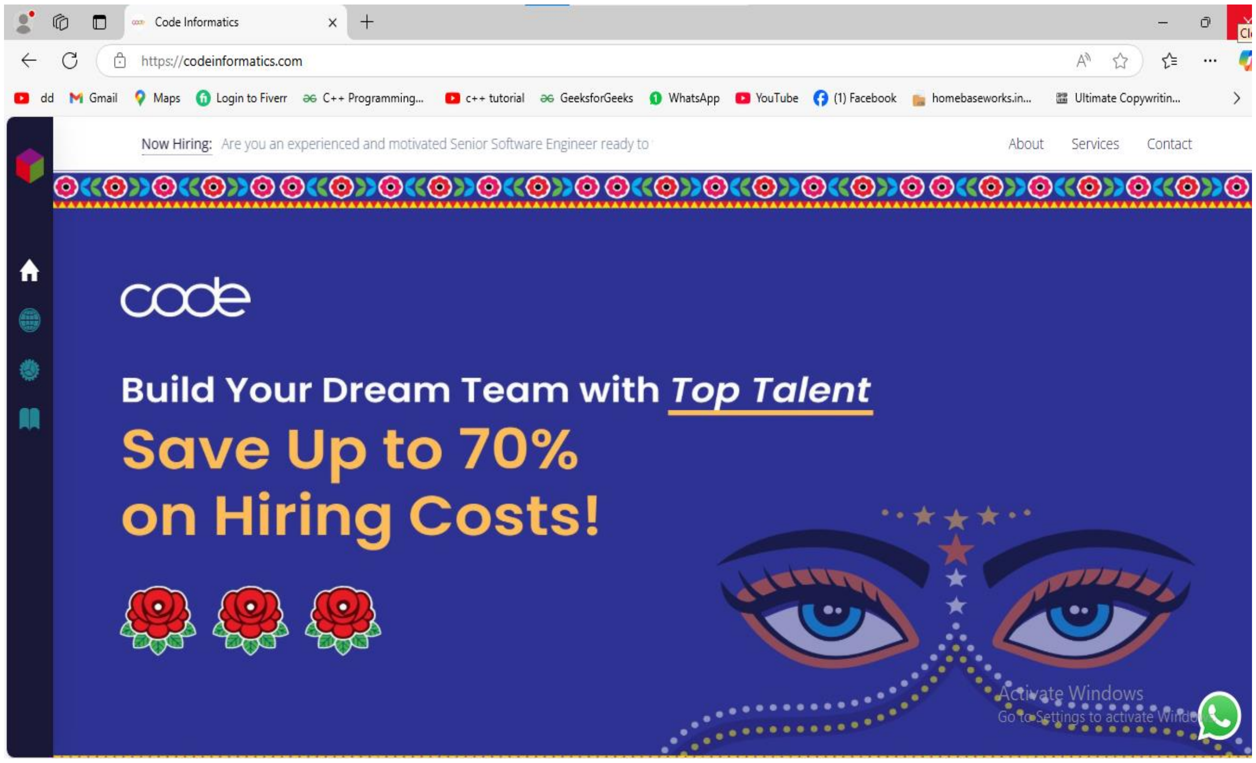
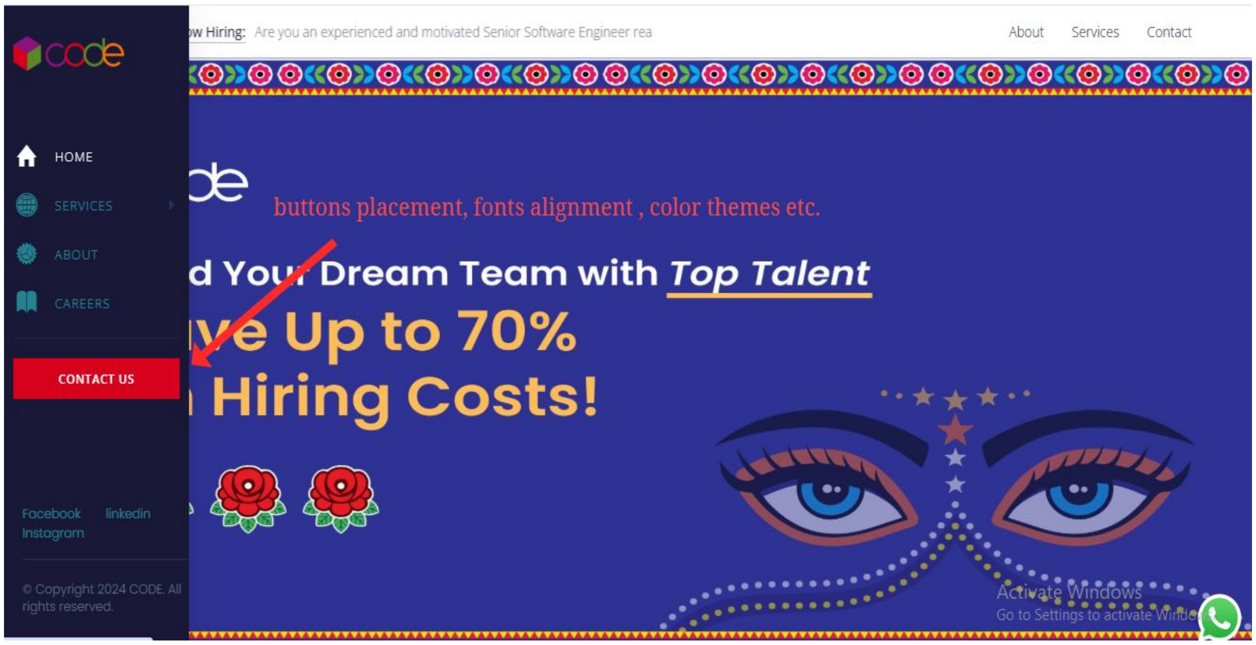
Screenshot & Screen Recorder Tool is sharing your screen.
Stop sharing
Hide
Activate Windows
Go to Settings to activate Windows
Type here to search
Match
1:46 PM
2/8/2025

Now also check on some other browser like Microsoft edge



Cosmetic Testing:

Cosmetic testing focuses on checking the visual aspects of a website or app, like layout, colors, fonts, and design, to make sure everything looks good and matches the intended style.



ow Hiring: Are you an experienced and motivated Senior Software Engineer rea

buttons placement, fonts alignment , color themes etc.

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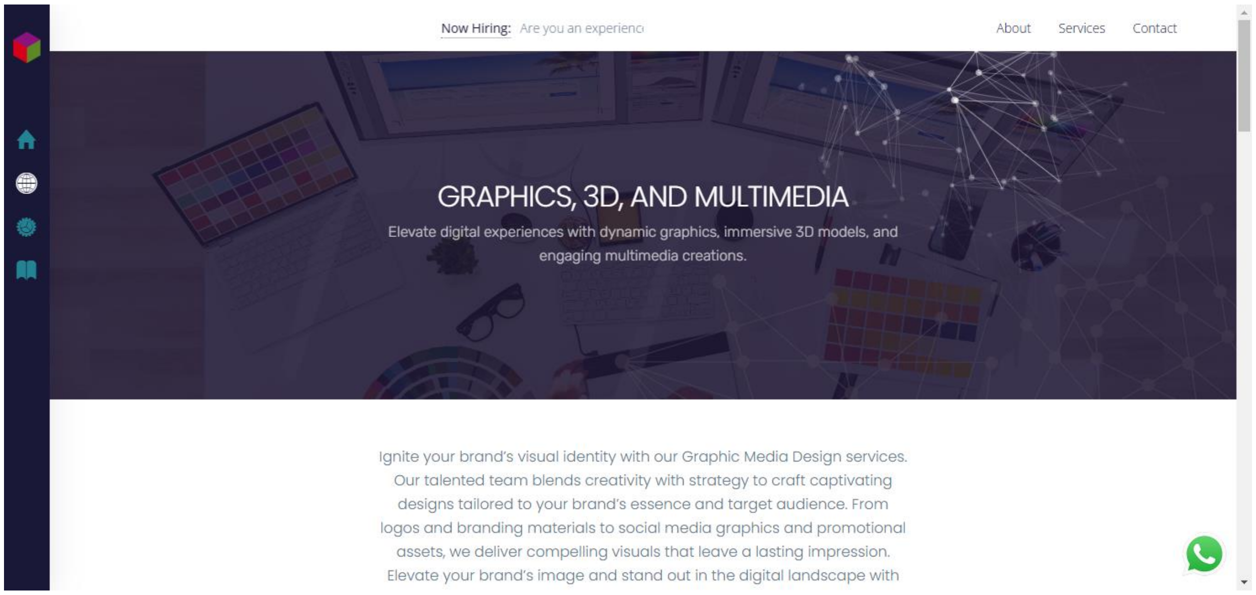
Exploratory Testing:

Type of testing in which testers explore the application without a specific plan, trying different actions to discover unexpected issues or bugs that might not be covered by regular tests.



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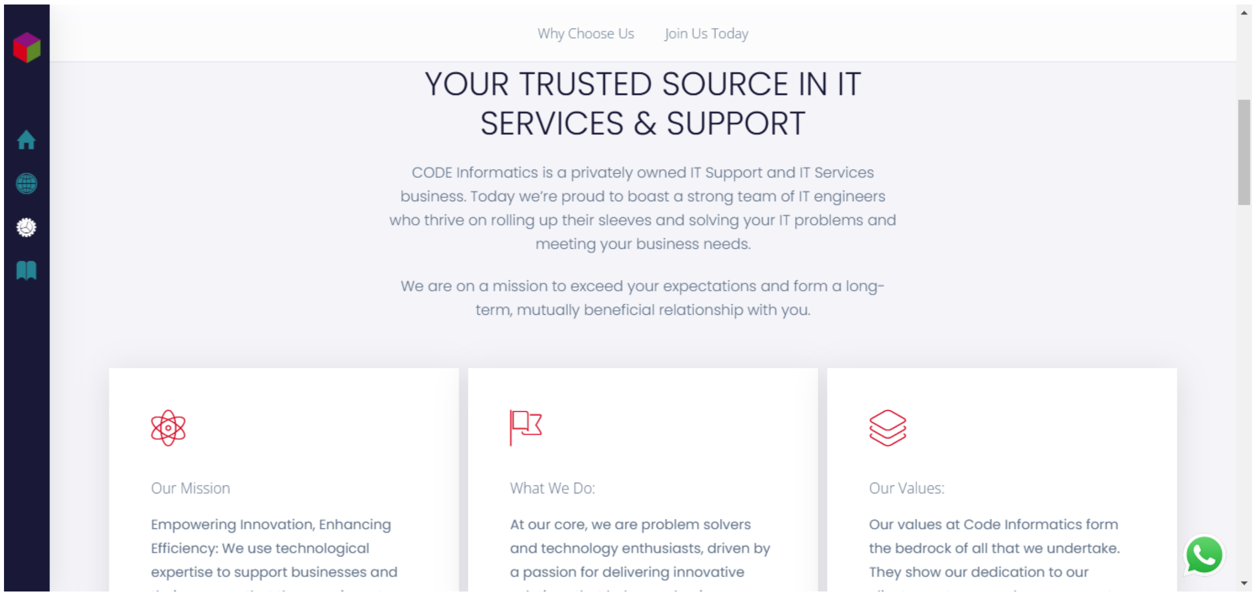
Elevate digital experiences with dynamic graphics, immersive 3D models, and engaging multimedia creations.

Ignite your brand's visual identity with our Graphic Media Design services. Our talented team blends creativity with strategy to craft captivating designs tailored to your brand's essence and target audience. From logos and branding materials to social media graphics and promotional assets, we deliver compelling visuals that leave a lasting impression. Elevate your brand's image and stand out in the digital landscape with



YOUR TRUSTED SOURCE IN IT SERVICES & SUPPORT

CODE Informatics is a privately owned IT Support and IT Services business. Today we're proud to boast a strong team of IT engineers who thrive on rolling up their sleeves and solving your IT problems and meeting your business needs.

We are on a mission to exceed your expectations and form a long-term, mutually beneficial relationship with you.

Our Mission

Empowering Innovation, Enhancing Efficiency: We use technological expertise to support businesses and

What We Do:

At our core, we are problem solvers and technology enthusiasts, driven by a passion for delivering innovative

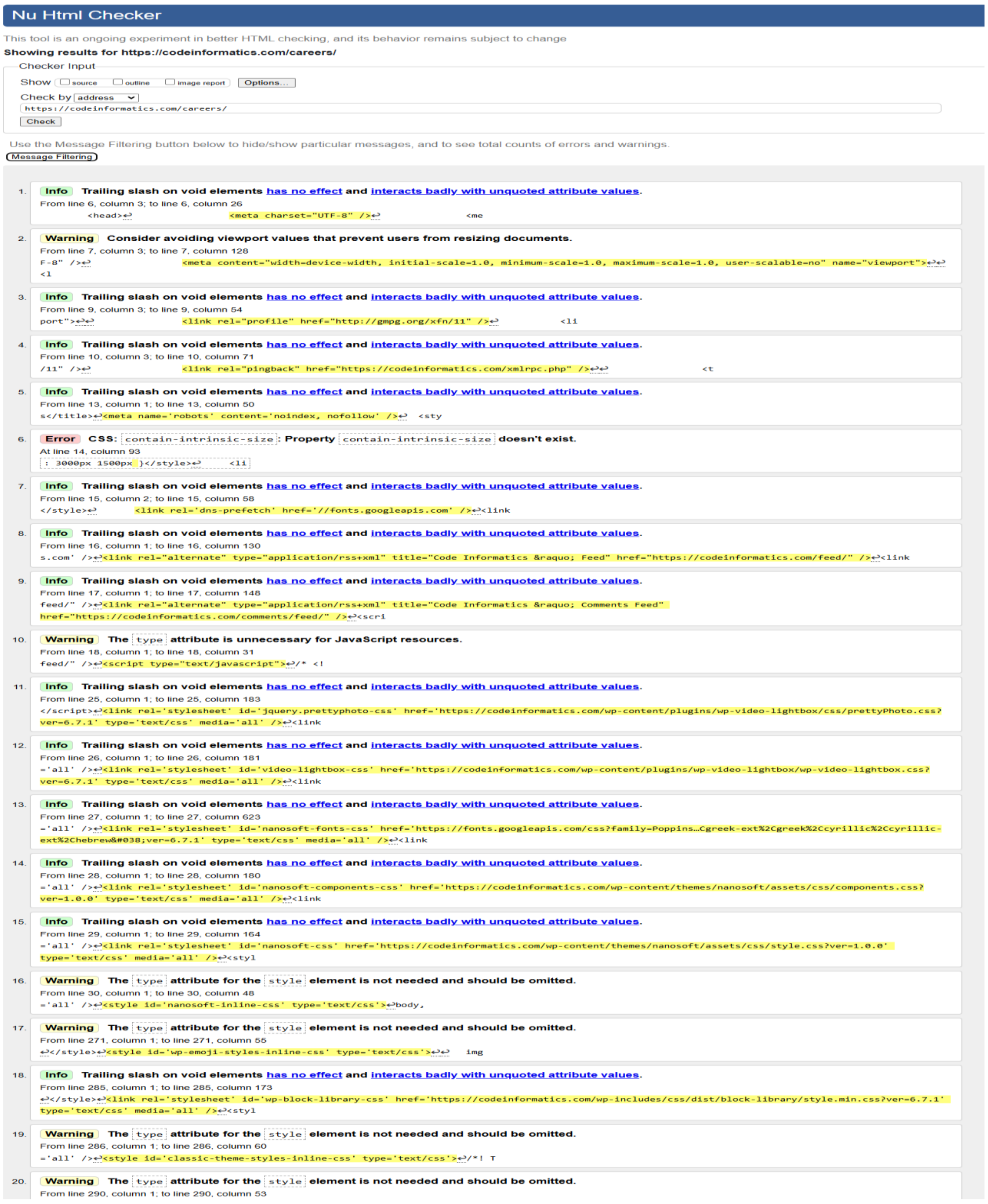
Our Values:

Our values at Code Informatics form the bedrock of all that we undertake. They show our dedication to our

In this type of testing, we randomly explore our website to make sure there is no defects or bugs in it.

<u>W3C Validation:</u>

In W3C Validation, the website URL is entered on the W3C website, which is a testing tool used to check for errors in the Code Informatics website's frontend code. Below is the result of the W3C validation for the URL of the career page of Code Informatics.W3C validation basically test the html and CSS of our website.



Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for https://codeinformatics.com/careers/

Checker Input

Show ☐ source ☐ outline ☐ image report Options…

Check by address

```
https://codeinformatics.com/careers/
```

Check

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Message Filtering

1. **Info** **Trailing slash on void elements has no effect and interacts badly with unquoted attribute values.**
   From line 6, column 3; to line 6, column 26
   ```
           <head>↩                   <meta charset="UTF-8" />↩              <me
   ```
2. **Warning** **Consider avoiding viewport values that prevent users from resizing documents.**
   From line 7, column 3; to line 7, column 128
   ```
   F-8" />↩          <meta content="width=device-width, initial-scale=1.0, minimum-scale=1.0, maximum-scale=1.0, user-scalable=no" name="viewport">↩↩
   <l
   ```
3. **Info** **Trailing slash on void elements has no effect and interacts badly with unquoted attribute values.**
   From line 9, column 3; to line 9, column 54
   ```
   port">↩↩          <link rel="profile" href="http://gmpg.org/xfn/11" />↩         <li
   ```
4. **Info** **Trailing slash on void elements has no effect and interacts badly with unquoted attribute values.**
   From line 10, column 3; to line 10, column 71
   ```
   /11" />↩          <link rel="pingback" href="https://codeinformatics.com/xmlrpc.php" />↩↩             <t
   ```
5. **Info** **Trailing slash on void elements has no effect and interacts badly with unquoted attribute values.**
   From line 13, column 1; to line 13, column 50
   ```
   s</title>↩<meta name='robots' content='noindex, nofollow' />↩  <sty
   ```
6. **Error** **CSS: `contain-intrinsic-size`: Property `contain-intrinsic-size` doesn't exist.**
   At line 14, column 93
   ```
   : 3000px 1500px }</style>↩     <li
   ```
7. **Info** **Trailing slash on void elements has no effect and interacts badly with unquoted attribute values.**
   From line 15, column 2; to line 15, column 58
   ```
   </style>↩      <link rel='dns-prefetch' href='//fonts.googleapis.com' />↩<link
   ```
8. **Info** **Trailing slash on void elements has no effect and interacts badly with unquoted attribute values.**
   From line 16, column 1; to line 16, column 130
   ```
   s.com' />↩<link rel="alternate" type="application/rss+xml" title="Code Informatics &raquo; Feed" href="https://codeinformatics.com/feed/" />↩<link
   ```
9. **Info** **Trailing slash on void elements has no effect and interacts badly with unquoted attribute values.**
   From line 17, column 1; to line 17, column 148
   ```
   feed/" />↩<link rel="alternate" type="application/rss+xml" title="Code Informatics &raquo; Comments Feed"
   href="https://codeinformatics.com/comments/feed/" />↩<scri
   ```
10. **Warning** **The `type` attribute is unnecessary for JavaScript resources.**
    From line 18, column 1; to line 18, column 31
    ```
    feed/" />↩<script type="text/javascript">↩/* <!
    ```
11. **Info** **Trailing slash on void elements has no effect and interacts badly with unquoted attribute values.**
    From line 25, column 1; to line 25, column 183
    ```
    </script>↩<link rel='stylesheet' id='jquery.prettyphoto-css' href='https://codeinformatics.com/wp-content/plugins/wp-video-lightbox/css/prettyPhoto.css?
    ver=6.7.1' type='text/css' media='all' />↩<link
    ```
12. **Info** **Trailing slash on void elements has no effect and interacts badly with unquoted attribute values.**
    From line 26, column 1; to line 26, column 181
    ```
    ='all' />↩<link rel='stylesheet' id='video-lightbox-css' href='https://codeinformatics.com/wp-content/plugins/wp-video-lightbox/wp-video-lightbox.css?
    ver=6.7.1' type='text/css' media='all' />↩<link
    ```
13. **Info** **Trailing slash on void elements has no effect and interacts badly with unquoted attribute values.**
    From line 27, column 1; to line 27, column 623
    ```
    ='all' />↩<link rel='stylesheet' id='nanosoft-fonts-css' href='https://fonts.googleapis.com/css?family=Poppins…Cgreek-ext%2Cgreek%2Ccyrillic%2Ccyrillic-
    ext%2Chebrew&#038;ver=6.7.1' type='text/css' media='all' />↩<link
    ```
14. **Info** **Trailing slash on void elements has no effect and interacts badly with unquoted attribute values.**
    From line 28, column 1; to line 28, column 180
    ```
    ='all' />↩<link rel='stylesheet' id='nanosoft-components-css' href='https://codeinformatics.com/wp-content/themes/nanosoft/assets/css/components.css?
    ver=1.0.0' type='text/css' media='all' />↩<link
    ```
15. **Info** **Trailing slash on void elements has no effect and interacts badly with unquoted attribute values.**
    From line 29, column 1; to line 29, column 164
    ```
    ='all' />↩<link rel='stylesheet' id='nanosoft-css' href='https://codeinformatics.com/wp-content/themes/nanosoft/assets/css/style.css?ver=1.0.0'
    type='text/css' media='all' />↩<styl
    ```
16. **Warning** **The `type` attribute for the `style` element is not needed and should be omitted.**
    From line 30, column 1; to line 30, column 48
    ```
    ='all' />↩<style id='nanosoft-inline-css' type='text/css'>↩body,
    ```
17. **Warning** **The `type` attribute for the `style` element is not needed and should be omitted.**
    From line 271, column 1; to line 271, column 55
    ```
    ↩</style>↩<style id='wp-emoji-styles-inline-css' type='text/css'>↩↩   img
    ```
18. **Info** **Trailing slash on void elements has no effect and interacts badly with unquoted attribute values.**
    From line 285, column 1; to line 285, column 173
    ```
    ↩</style>↩<link rel='stylesheet' id='wp-block-library-css' href='https://codeinformatics.com/wp-includes/css/dist/block-library/style.min.css?ver=6.7.1'
    type='text/css' media='all' />↩<styl
    ```
19. **Warning** **The `type` attribute for the `style` element is not needed and should be omitted.**
    From line 286, column 1; to line 286, column 60
    ```
    ='all' />↩<style id='classic-theme-styles-inline-css' type='text/css'>↩/*! T
    ```
20. **Warning** **The `type` attribute for the `style` element is not needed and should be omitted.**
    From line 290, column 1; to line 290, column 53

Conclusion:

Software testing ensures the reliability, efficiency, and security of applications by identifying and fixing defects. Applying various testing methods to Code Informatics improved functionality, performance, and security. A well-structured testing approach enhances software quality, reduces maintenance costs, and ensures a better user experience.