

Product Name	Applied Degree in Software Engineering (BDSE)
Qualification Name	Applied Degree in Software Engineering
Product Name	
Module Name (BDSE)	

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<u>Date Issued</u>	<u>Completion Date</u>	<u>Submitted On</u>
February 13, 2023	Feb 17, 2023	Feb 17, 2023

Project Title	ABC Learning Center Website
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Learner Declaration

I certify that the work submitted for this assignment is my own and research sources are fully acknowledged.



Student Signature

Date:

Content

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Chapter 1

Scenario

Purpose of this project
Purpose of this project To demonstrate your capabilities in the following areas: <ul style="list-style-type: none">• Plan a Website & Develop branding, wireframes, information architecture & storyboard.• Develop a website using HTML, CSS & Javascript.• Execute the test cases and validate the website meets the design requirements.
Submission Format
In a zip folder, submit the following: <ol style="list-style-type: none">1. Website screenshot in word document2. Source code
Project Brief & Guidance
Scenario: You have been approached by 'ABC Learning Center' as a website developer to develop a company portfolio website for their institute. 'ABC Learning Center' is an IT Training institute that conducts courses like 'Programming in Java', 'Programming in .Net', 'Microsoft Office', 'HTML' etc. They want to design a website which can be used for providing information about their courses to students. You will be required to design and develop this website using HTML, CSS and JavaScript. You will be required to develop following pages in the website – <ol style="list-style-type: none">1. Common Content<ol style="list-style-type: none">a. Headerb. Footerc. Navigation2. Home Page3. About Us Page / Profile Page4. Contact Us Page (Develop 1 Html page)5. Sitemap Page (Develop 1 HTML page)6. Privacy Policy Page (Develop 1 HTML page) The website that you have developed needs to be tested by you and final sign-off should be taken from 'ABC Learning Center' (Mentor) before hosting it on their web server.

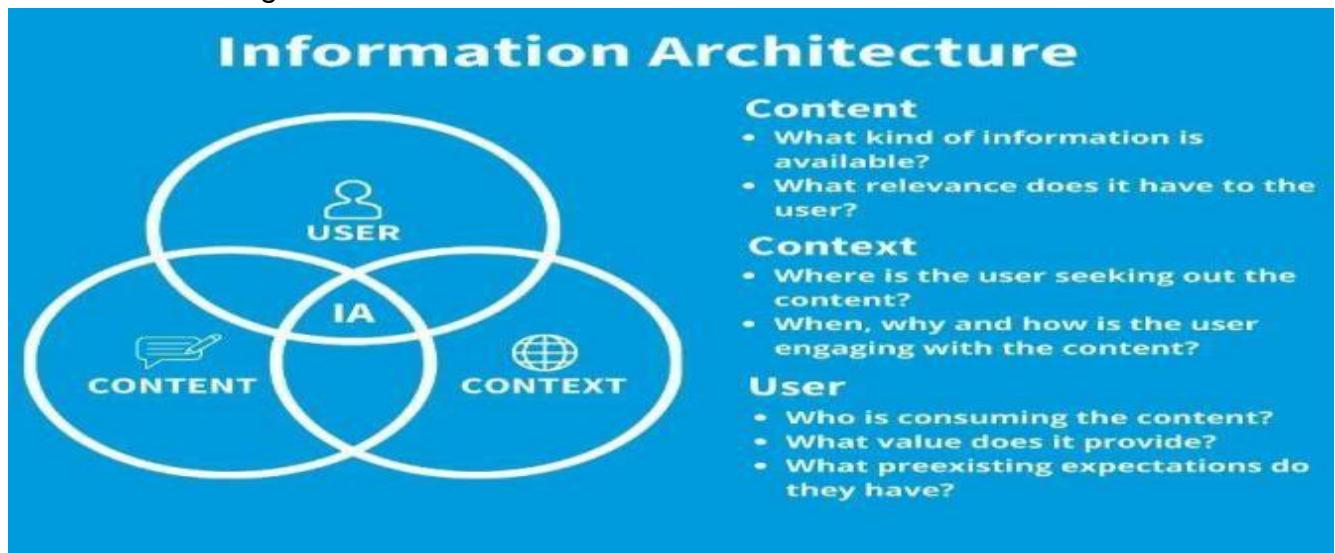
Chapter – 2

Information Architecture (IA)

Definition

Information architecture is the action that structuring and presenting the parts of something for easy to understand before writing website, and it focuses on organizing, structuring, and labeling content in a sustainable and effective manner. The goal is to assist users in finding information and completing tasks. To do this, you must understand how the pieces fit together to form the larger picture, as well as how items interact within the system. For example, when designers create apps and websites, they lay out each individual screen so that the user can easily find the information they need. I make my own IA for the website to show the clients. Every website has an information architecture, but information architecture techniques are especially important for large, complex websites, where the main goals are to:

- Organize the site's content into taxonomies and information hierarchies;
- Inform the design team and clients about conceptual overviews and the overall site organization.
- Investigate and design the fundamental site navigation concepts.
- Create and implement standards and strategies for search optimization.
- Set standards and specifications for the handling of html semantic markup, and the format and handling of text content.



What is an Information Architecture Diagram?

The information architecture diagram is a design structure blueprint that can be used to generate project wireframes and sitemaps. UX designers as basic tools to begin planning the navigation system. Visualizing and understanding all of the different processes involved, as well as picturing how all of the different variables can come together, is a source of inspiration when mapping out the IA.

Characteristic of information architecture

- The construction of the work's stability and permanence.
- The Experience communication.
- The suitability of the work for use by humans in general, as well as its adaptability to specific human activities.
- Mapping linkages between information.
- Provide critical information

No	Types of Architecture	Characteristic	How to Achieve
1	Data Architecture	Provide critical information	Analysis and listed critical information
		Mapping linkages between information	Provide matrix/diagram of linkages between information
		Listed information requirement of every	Provide matrix/diagram that mapping both input and output
2	Application Architecture	process	of process
		Listed information requirement of every person	Provide matrix/diagram of information requirement of every stakeholder (RACI table)
		Mapping modules/tools requirements	Analysis modules/tools requirement based on process
		Mapping information mapping by modules	Provide matrix/diagram of critical information management by modules/tools
		Mapping the use of modules by user	Provide matrix/diagram the us of modules by each user

Advantages of information architecture

Information architecture is important in websites with many pages that a simple navigation system cannot handle. A comprehensive user experience is effective. A wellstructured information architecture helps to retain users, reduce bounce rates, and increase the popularity of a website.

- It can be chart as an intersection of the users, context and the content.
- It divides a subset of information into small pieces, labels and organizes the information.
- It boosts a website's popularity.
- It helps us retain clients and organize important data within our company so that we can easily use, find, control, and store that information.
- It reduces bounce rates.
- User can search easily.
- Maintenance is easy for producer. □ User get quick response.



Advantages & Disadvantages of Information Architecture

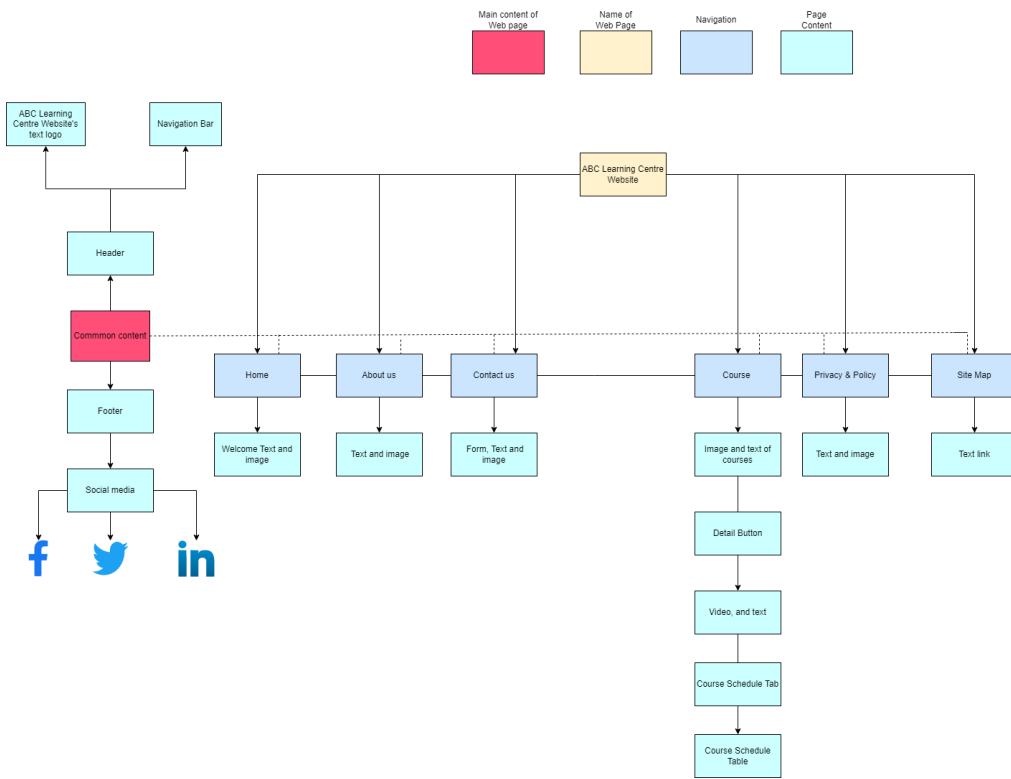
Advantages

- ▶ 1. User get quick Response.
- ▶ 2. User can search easily.
- ▶ 3. Maintenance is easy for producer.

Disadvantages

- ▶ Process is time consuming.

Information Architecture (IA)



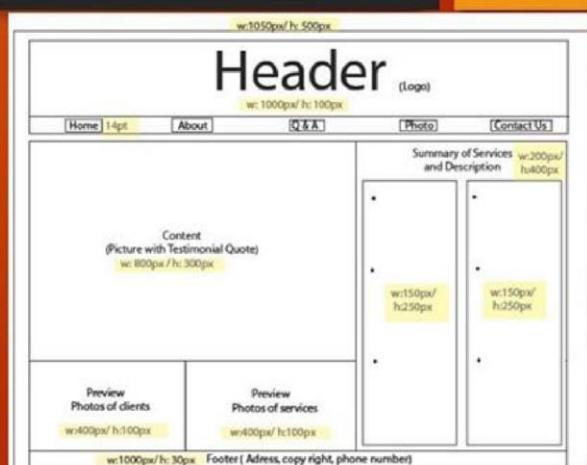
Chapter – 3

Wireframe

Definition

Basic visual representation of elements on a website. A wireframe is a two-dimensional illustration of a page's interface that specifically focuses on space allocation and prioritization of content, functionalities available, and intended behaviors. For these reasons, wireframes typically do not include any styling, color, or graphics. Wireframing is a way to design a website service at the structural level. A wireframe is commonly used to layout content and functionality on a page which takes into account user needs and user journeys. Wireframes are used early in the development process to establish the basic structure of a page before visual design and content is added. I use EdarwMax to make the wireframe for my website.

What is a **Wireframe**?



- a sketch or a guideline before you build actual website
- a “skeleton graph” that shows how the contents will be layout
- frames with no colors, images, or any graphics

Why is a wireframe important?

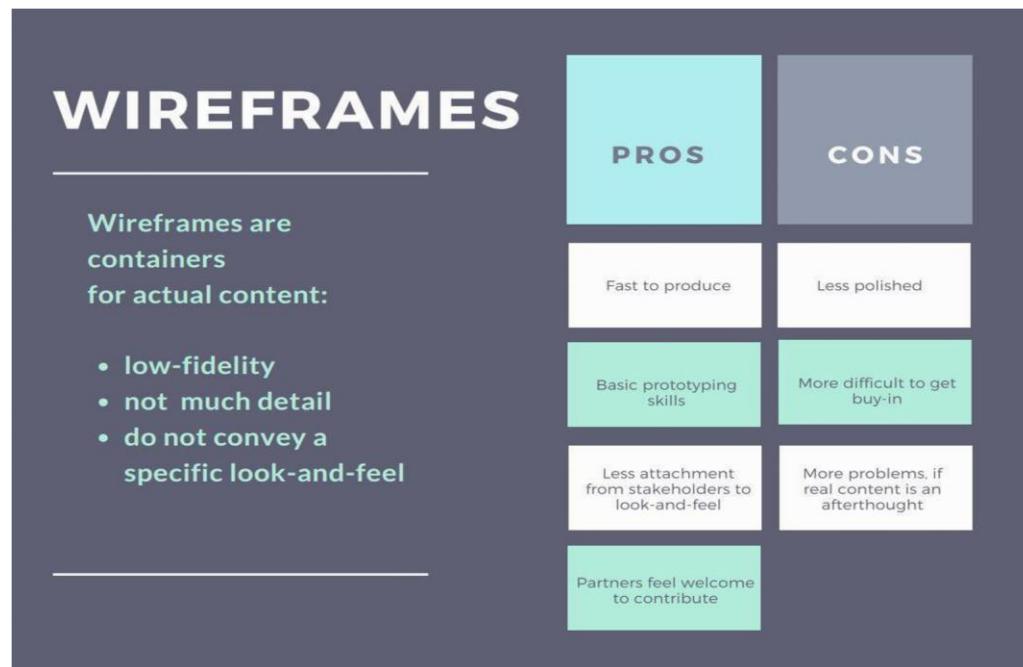
1. Establish hierarchy of info
2. Simplifies communication
3. Blueprint

Characteristics of wireframe

Wireframes are simple black and white layouts that outline the size and placement of your website's page elements, site features, conversion areas, and navigation. They are devoid of color, font choices, logos, or any other real design elements that distract from focusing solely on the structure of a site. The skeleton graph shows how the contents will be layout. It sketches or a guideline before we build actual website.

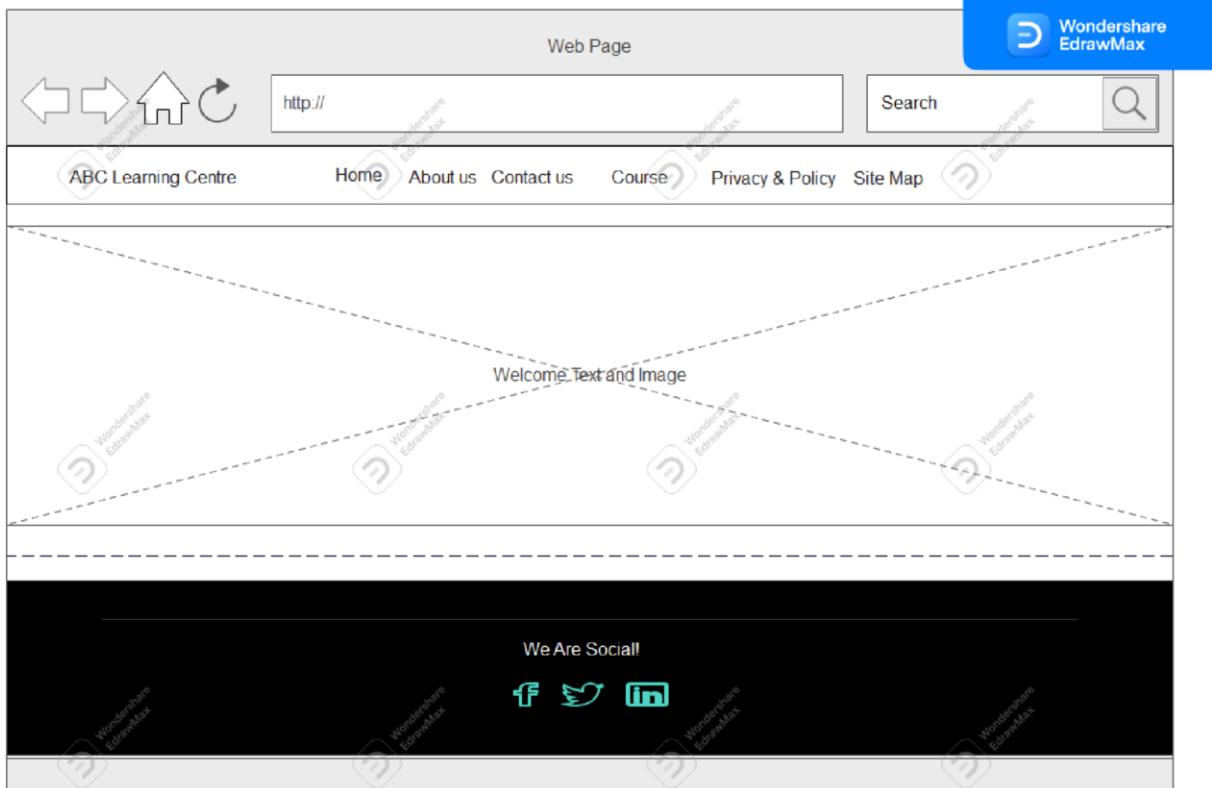
Advantages of wireframe

- It assists clients in better understanding the project.
- Easy to create
- Contains the majority of the information required to generate surface, solid, and higher order models.
- Finite element analysis can be performed.
- They show us what works and what fails from our initial idea.
- They make ideas tangible while assuming little risk
- They help guide next steps and facilitate decision making
- They are cheap and easy to produce
- Easy to draw
- Easy to understand
- Easy to modify
- No coding required



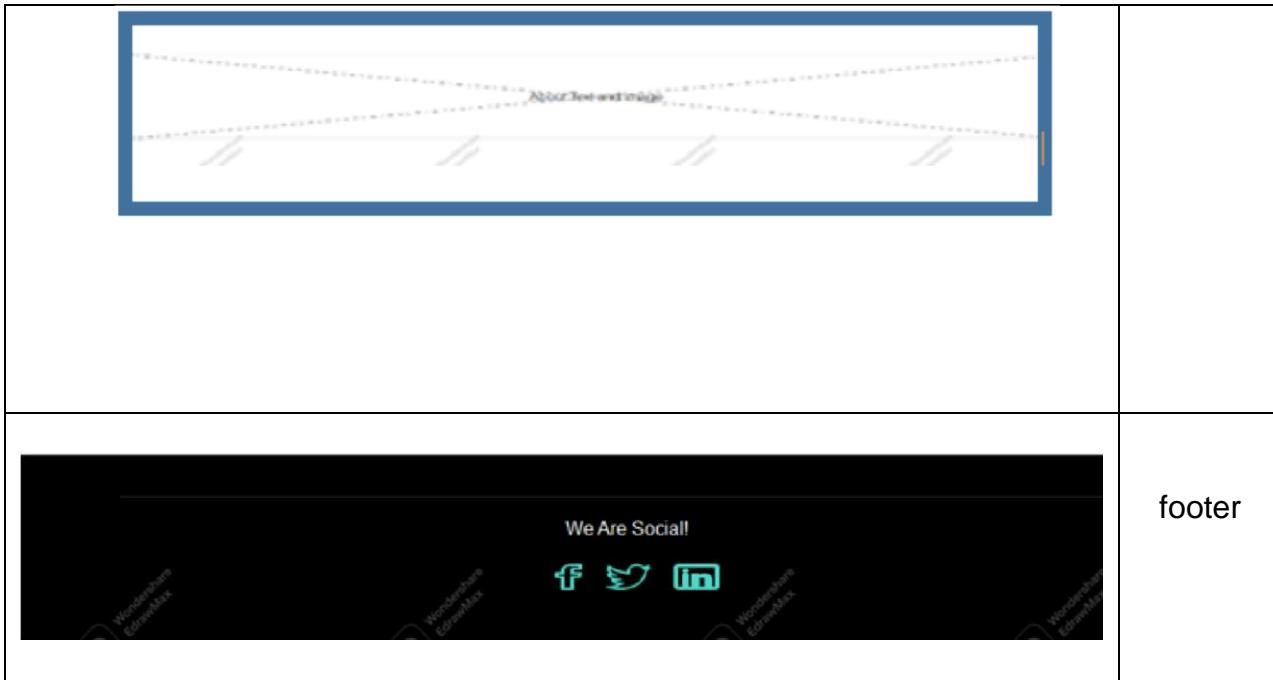
Wireframe

Home page

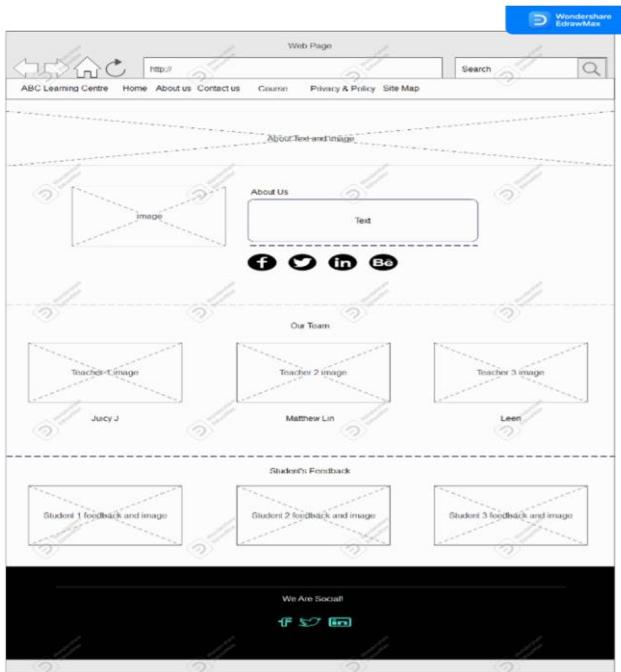


Explanation for website wireframe (Home page)

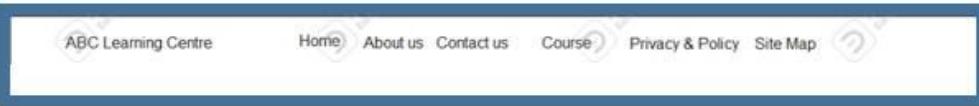
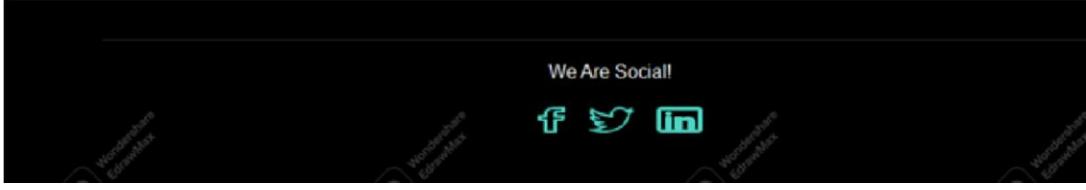
Symbol	Description
	Navigation Bar
	image



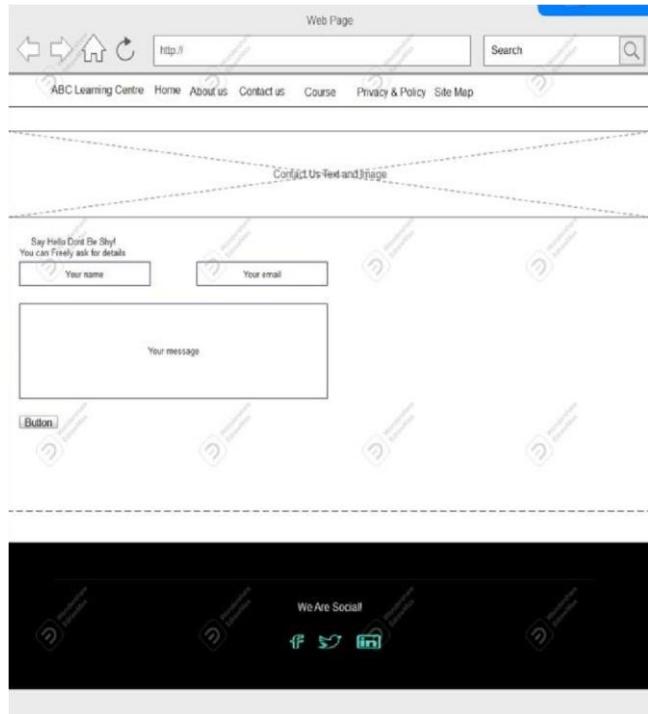
About us page



Explanation for website wireframe (About us page)

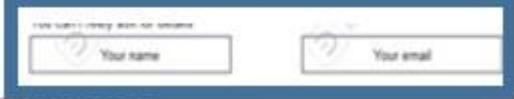
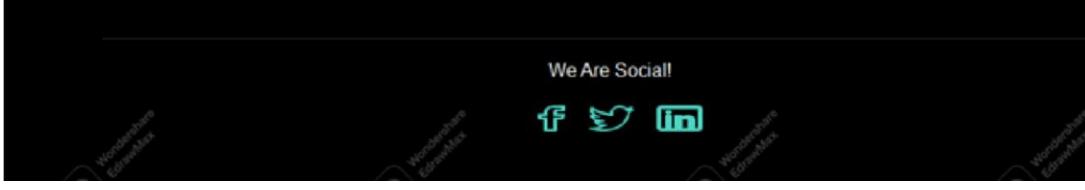
Symbol	Description
	Navigation Bar
	image
	text
	Contact logo
	footer

Contact us page

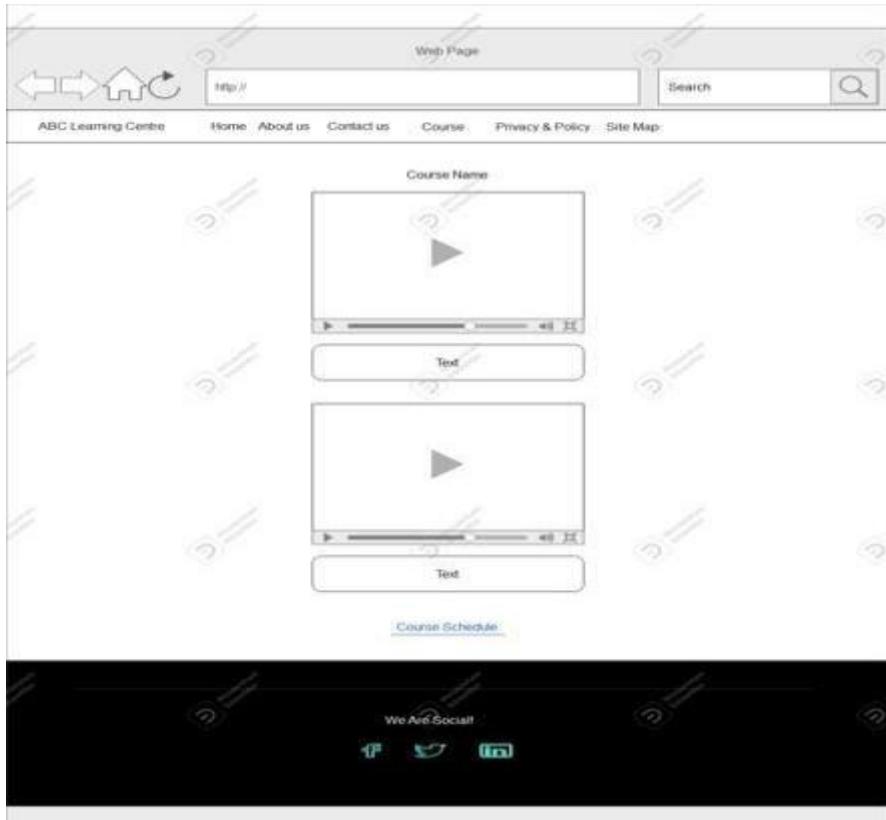


Explanation for website wireframe (Contact us page)

Symbol	Description
A horizontal bar with rounded ends, containing the website's navigation menu: ABC Learning Centre, Home, About us, Contact us, Course, Privacy & Policy, and Site Map. Each menu item is preceded by a small circular icon with a stylized letter or symbol.	Navigation Bar

	image
	Input text
	Text area
	Button
	footer

Course Detail page

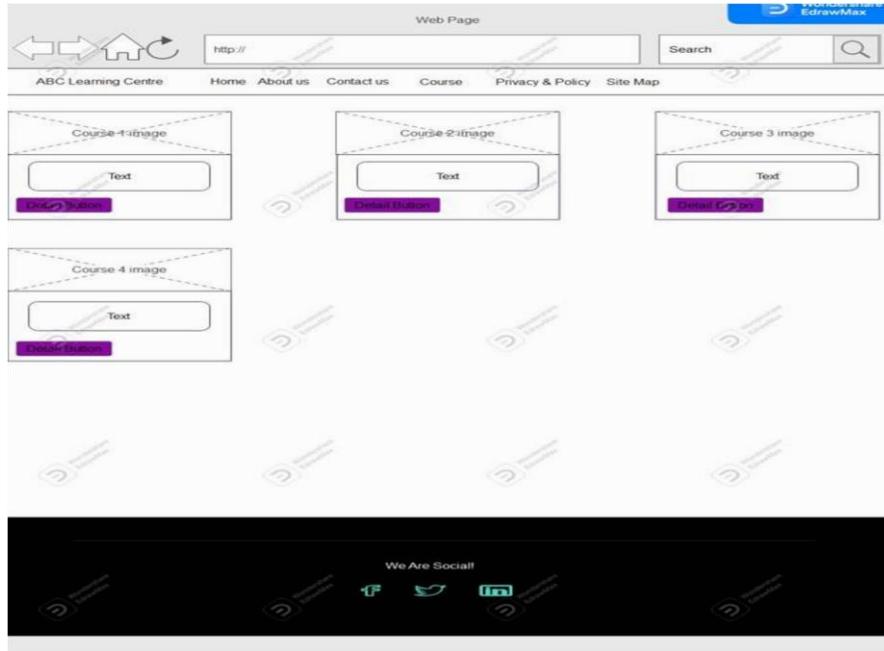


Explanation of website wireframe (course detail page)

Symbol	Description
A wireframe of a horizontal navigation bar. It includes a logo on the left, followed by links for Home, About us, Contact us, Course, Privacy & Policy, and Site Map. There are also question mark icons on either side of the links.	Navigation Bar

	Video player
	text
	Link for go to another page
	footer

Course page

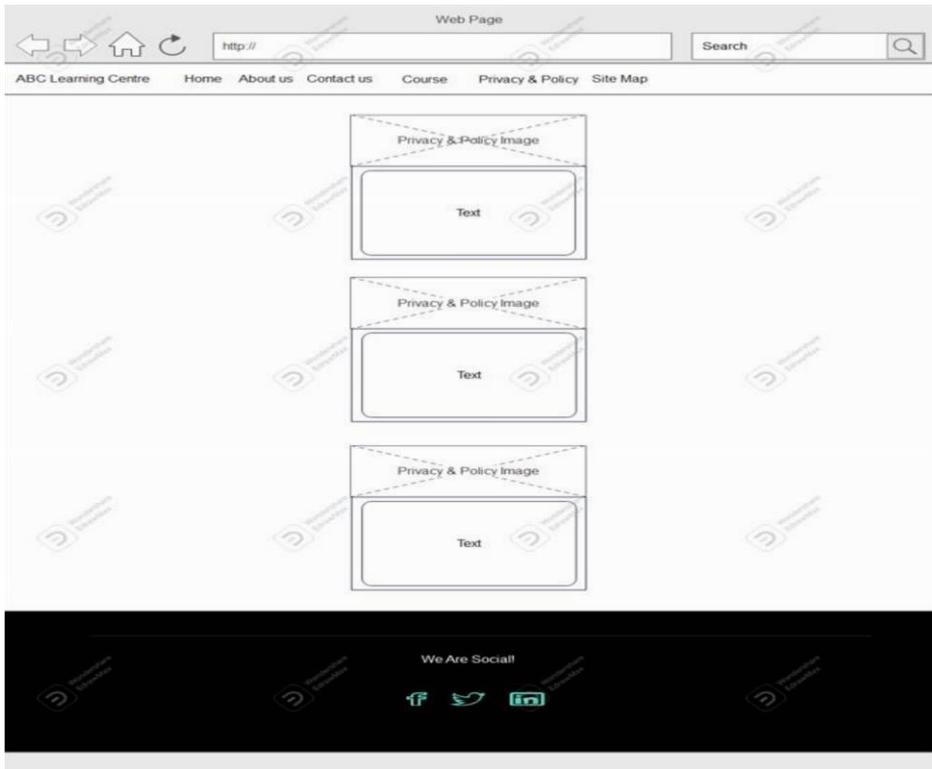


Explanation for website wireframe (course page)

Symbol	Description
A horizontal bar with rounded ends, containing the site's navigation menu: 'ABC Learning Centre', 'Home', 'About us', 'Contact us', 'Course', 'Privacy & Policy', and 'Site Map'. The 'Course' link is highlighted with a blue box.	Navigation Bar
A rectangular box with dashed diagonal lines at the top and bottom, labeled 'Course 4 image'.	image
A rectangular box with a solid border, labeled 'Text'.	text



Privacy & Policy page



Web Page
http://
ABC Learning Centre Home About us Contact us Course Privacy & Policy Site Map

Privacy & Policy Image

Text

Privacy & Policy Image

Text

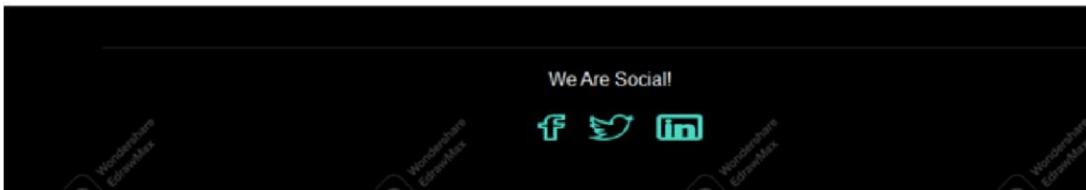
Privacy & Policy Image

Text

We Are Social!

Facebook Twitter LinkedIn

Explanation of website wireframe (Privacy & Policy page)

Symbol	Description
	Navigation Bar
	image
	text
	footer

Course Schedule page

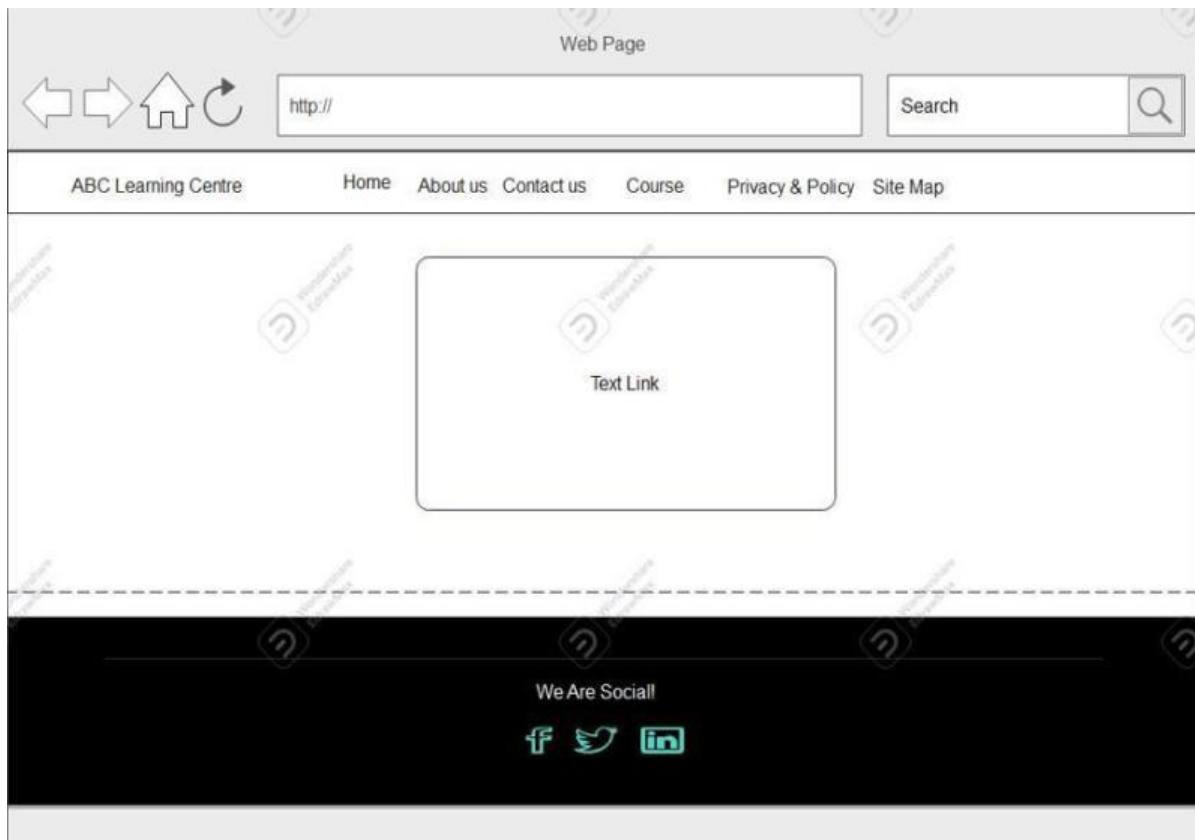
Date	Day	IN Time	MM Time	BD Time
31-Jan-23	Tue	N/a	N/a	N/a
31-Jan-23	Tue	09:00 - 10:30	09:00 - 10:30	09:00 - 10:30
31-Jan-23	Tue	10:30 - 11:30	09:00 - 10:30	N/a
31-Jan-23	Tue	N/a	09:00 - 10:30	09:00 - 10:30
1-Jan-23	Wed	11:30 - 12:30	09:00 - 10:30	09:00 - 10:30
1-Jan-23	Wed	09:00 - 10:30	N/a	11:30 - 12:30
1-Jan-23	Wed	09:00 - 10:30	11:30 - 12:30	N/a
1-Jan-23	Wed	09:00 - 10:30	11:30 - 12:30	11:30 - 12:30
1-Jan-23	Wed	09:00 - 10:30	09:00 - 10:30	09:00 - 10:30

Explanation of website wireframe (course schedule page)

Symbol	Description
	Navigation Bar
	Course schedule table

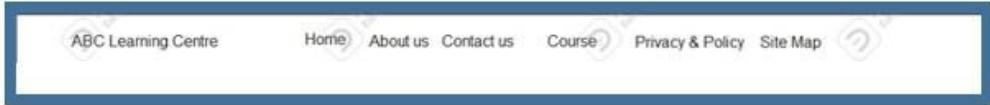
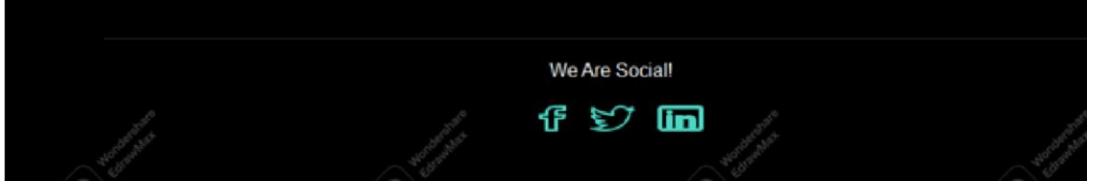


Site Map page



Explanation for website wireframe (Site Map page)

Symbol	Description

	Navigation Bar
	Text Link
	footer

Chapter – 4

Story Board

Definition

A storyboard is the blueprint for a web project. It is the flexible tool that used to display the elements such as images, navigation, elements, text on a single web page. It aids in communicating to the team the final piece should look like, clearly defining the grid and structure of the site. Storyboarding is a technique that originated within the filmmaking process. However, its value has exceeded that of the entertainment industry. Designers have found use of the technique during ideation and development phases of websites. The storyboard is the process of making the skeleton of the web design before graphics and colors are added to make the initial design. Basically, a storyboard is just composed of text and/or a diagram with details on each part that serve as a guide for the graphic and web designer.

Characteristic of the storyboard

- It plans and create a visual script with a series of sketches and notes.
- It is easy to create and easy to modify.
- The Stories with every structure have beginning, middle and end.
- It displays the elements on a single webpage.
- It presents a sequence of a wireframe. □ It showing a narrative.

Advantages of the storyboard

- Reduces the time spent on unfocused, undirected discussion.
- Allows everyone to share ideas equally and promotes consensus.
- Helpful in generating alternatives.
- Cost effective, accurate planning.
- Perceive possible continuity problems before they happen.
- Storyboard can be a way to rehearse themselves before producing original work.
- The freedom to experiment without causing the producer to stroke-out.
- Omission and lost links can be spotted in the storyboard.
- A storyboard acts as a reference and enables you to see potential problems.

Benefits of Storyboarding



- Reduces the time spent on unfocused, undirected discussion
- Allows everyone to share ideas equally and promotes consensus
- Helpful in generating alternatives
- Cost effective, accurate planning
- Perceive possible continuity problems before they happen
- Communication between departments
- Artistic and aesthetic vision remains consistent
- Communication with client funding the project

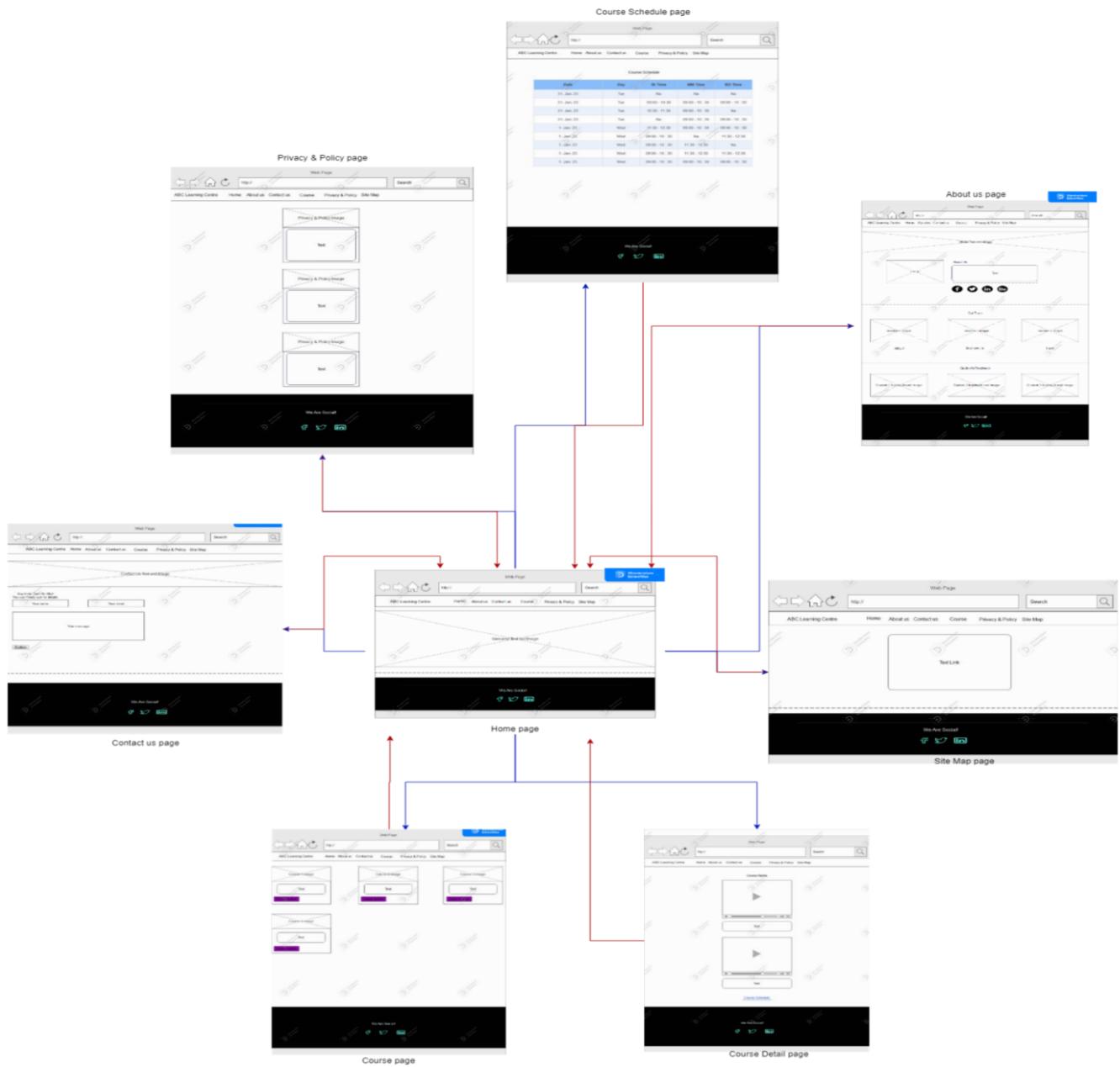
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7

Story Board

Come back to home page

Go From home page



Implementation**Chapter 5**

We used software such as Visual Studio and programming languages such as HTML, CSS, and JavaScript to create this website. We use this software because it allows us to confidently build, test, debug, and deploy our applications. It also allows us to run apps on a wide range of services in Azure or other container hosts. It manages and publishes our websites or machines, and integrated tools to deploying our web application to any host or Azure. It is also the best debugger, capable of identifying problems in our js, node.js, c#, python, or any other visual studio-supported language using the world-class debugger. We can fine-grained control execution and inspect through the many views in vs code. We use the live server to print the output.

Hardware	Minimum requirements
Processor	<ul style="list-style-type: none"> • ARM64 processor or 1.8 GHz or faster x64 processor (quad-core or better recommended). ARM32 processors are not supported.
RAM	<ul style="list-style-type: none"> • Minimum of 4 GB of RAM. Many factors impact resources used; we recommend 16 GB RAM for typical professional solutions.
Window 365	Minimum 2 vCPU and 8 GB RAM. 4 vCPU and 16 GB of RAM recommended.
Hard disk space	Minimum of 850 MB up to 210 GB of available space, depending on features installed; typical installations require 20-50 GB of free space. We recommend installing Windows and Visual Studio on a solid-state drive (SSD) to increase performance.

Software requirements

Software	Minimum requirements
Operating system	Visual studio code

Common Content

1. a. Header

It is the area of our website that is located at the top and contains our site title or logo. It is one of the main ones for the website.

Screen capture of website (Header)

ABC Learning Centre Home About Us Contact Us Course Privacy & Policy Site Map

In here, I add navbar which have title ABC Learning Centre, Home, About Us, Contact Us, Course, Privacy & Policy and Site Map.

b. Footer

It is the section of the website located at the very bottom. Example- It contains a copyright notice, link to- privacy & policy, contact, about us, home, logo, sitemap, social media icons, and an email sign-up form. It allows the user to easily navigate the website and contains data that improves the overall usability of the website. In short, a footer contains information that enhances the overall usability of a website. This is a necessary element in a website.

Screen capture of website (Footer)



In footer, I add social media icons like- Twitter, Facebook and LinkedIn. And also, I add the text "We are social".

c. Navigation

It connects one page to another, describing how the various pages on our website are organized. A navigation bar's purpose is to assist your user in easily navigating your website. A navigation bar is typically positioned at the top of your website.

Screen capture of website (Navigation)

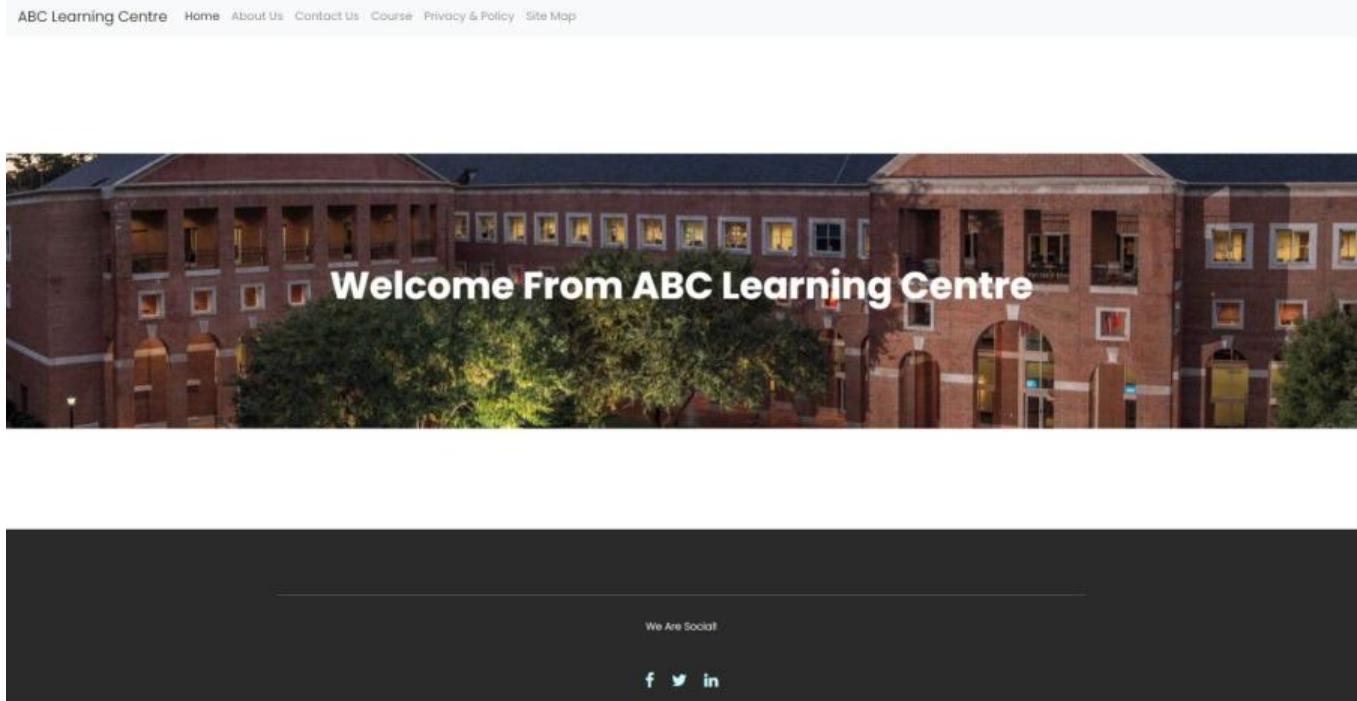
ABC Learning Centre Home About Us Contact Us Course Privacy & Policy Site Map

In the navigation, I add ABC Learning Centre logo, and title like- Home, About us, Contact us, Course, Privacy & Policy, and Site Map.

2. Home page

It is the page that is usually the first to be seen and serves as the main point of the website, as well as containing sub links to other pages on the site. The home page is typically located at the root of the website's domain or subdomain.

Screen capture of website (Home page)



In this page, I add navigation bar, image, text and footer. In footer I add some social media icons and text.

3. About us page

An about us page's primary purpose is to inform the reader about the company and its operations. And also, where they reveal their success story, mission, vision, business values and experiences.

Screen capture of website (About us page)

ABC Learning Centre Home About Us Contact Us Course Privacy & Policy Site Map



About Us

ABC Learning Centre was created in 2009 out of a passion, affection and dedication for amazing food and service.

“ Come and join our school. You can join every classes.

Through challenges, commitment and a lot of hard work to create the school, ABC Learning Centre has become one of the most successful restaurants in Myloner. We believe that using freshest ingredients produces the best results. We are always in staying abreast of the latest food trends.



Our Team



Matthew Lin
Programming Teacher



Juicy J
Website Development Teacher



Leen
Information Technology Systems Teacher

Student's Feedback

Jik

The teachers of our school are good teachers.



I think our school is the best school in the world..



George

All the teachers are friendly and loving. Equally treated to every student.



We Are Social



In this page, I add navigation bar, image, text, and some social media icons- Facebook, Twitter, LinkedIn, Behance, and footer. In footer I add some social media icons and text.

4. Contact us page

A contact page is a common web page on a website that allows visitors to contact the organization or individual providing the website. The page includes one or more of the following elements: an e-mail address. A telephone number, A postal address, sometimes accompanied by a map showing the location.

Screen capture of website (Contact us page)

The screenshot shows a contact us page. At the top, there is a navigation bar with links: ABC Learning Centre, Home, About Us, Contact Us, Course, Privacy & Policy, and Site Map. Below the navigation, there is a large image of a red brick building at night. Overlaid on the image is a white rectangular area containing a "Contact Us" button. Below this, the text "Say Hello. Don't Be Shy!" is displayed in bold, followed by a smaller note: "You can freely ask for details". There are three input fields: "Your name", "Your email", and "Your message". Below these fields is a large text area for the message. At the bottom of the page, there is a dark footer section with the text "We Are Social" and social media icons for Facebook, Twitter, and LinkedIn.

In this page, I add navigation bar, image, text and contact form and footer. In footer I add some social media icons and text.

5.Course page

Screen capture of website (Course page)

The screenshot shows a course page with three main sections:

- Java**: A blue-themed section with a background image of multiple computer screens displaying code. It includes a "Programming in Java" heading, a brief description, and two "Detail" buttons.
- .NET**: A purple-themed section with a large ".NET" logo. It includes a "Programming in .Net" heading, a brief description, and a "Detail" button.
- Microsoft office**: A white-themed section featuring the Microsoft Office logo and icons for various applications (Word, Excel, PowerPoint, etc.). It includes a "Microsoft office" heading, a brief description, and a "Detail" button.

Below these sections is a separate "HTML" section:

- HTML**: A dark-themed section with a large "HTML 5" logo. It includes a "HTML" heading, a brief description, and a "Detail" button.

The footer of the page contains social media icons (Facebook, Twitter, LinkedIn) and the text "We Are Social!".

In this page, I add navigation bar, image, text, (Detail) button, and footer. In footer I add some social media icons and text.

6. Course Detail page

Screen capture of website (Programming in java page)

ABC Learning Centre Home About Us Contact Us Courses Privacy & Policy Site Map

Programming in Java

JAVA BEGINNERS TUTORIAL

Watch on YouTube

Java is a general-purpose programming language used to create objects-oriented or source code programming language. Java was developed by Sun Microsystems (now the subsidiary of Oracle) in the year 1995. James Gosling is known as the father of Java. Before Java, we have seen C/C++, since Java is registered trademark, so James Gosling and his team changed the name from C/C++ to Java.

JAVA PROGRAMMING

Watch on YouTube

Java is a general-purpose programming language designed to have as few implementation dependencies as possible. It is a high-level, class-based, object-oriented programming language that can run on any Java virtual machine (JVM) regardless of the underlying computer architecture. Java applications are typically compiled to bytecode that can run on any Java virtual machine (JVM) regardless of the underlying computer architecture.

The syntax of Java is similar to C and C++, but has fewer low-level facilities than most of them.

The Java runtime provides dynamic compilation (such as reflection and runtime code generation) that was apparently not available in traditional compiled languages.

[Course Schedule](#)

We Are Social

f t in

In this page, I add navigation bar, text, one link (that is you can go to the schedule page), video, and footer. In footer I add some social media icons and text.

Screen capture of website (Programming in .NET page)

ABC Learning Centre Home About Us Contact Us Courses Privacy & Policy Site Map

Programming in .NET

Introduction to .NET Framework

- .NET Framework is a software development framework
- It includes a library and runtime environment
- FCL provides user interface, database connectivity, cryptography, web development and many more
- All programs are executed in CLR
- Provides language interoperability

Watch on YouTube

This introductory class will teach you about .NET Framework. It is built on Microsoft's .NET Framework, which is a cross-platform, open-source framework for building web, mobile, and desktop applications. .NET Framework uses C# and VB.NET as its primary programming languages, although it also supports F#, C++, and VBScript. .NET Framework is used for developing Windows applications, web sites, and mobile devices. It is also used for developing enterprise systems, such as databases, and for developing web services.

WHITEBOARD EXPLANATION .NET

Watch on YouTube

.NET is a cross-platform framework for building web, mobile, and desktop applications. It is built on Microsoft's .NET Framework, which is a cross-platform, open-source framework for building web, mobile, and desktop applications. .NET Framework uses C# and VB.NET as its primary programming languages, although it also supports F#, C++, and VBScript. .NET Framework is used for developing Windows applications, web sites, and mobile devices. It is also used for developing enterprise systems, such as databases, and for developing web services.

[Course Schedule](#)

We Are Social

f t in

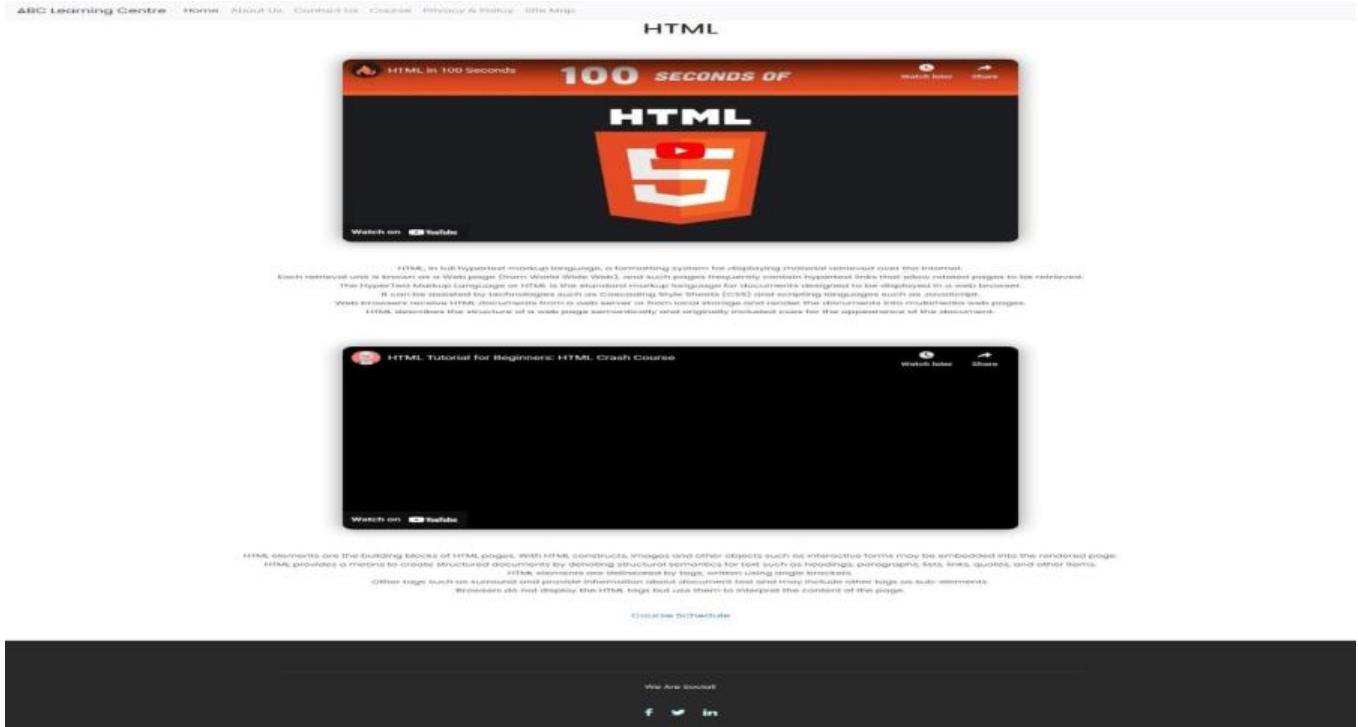
In this page, I add navigation bar, text, one link (that is you can go to the schedule page), video, and footer. In footer I add some social media icons and text.

Screen capture of website (Microsoft office page)



In this page, I add navigation bar, text, one link (that is you can go to the schedule page), video, and footer. In footer I add some social media icons and text.

Screen capture of website (HTML page)



In this page, I add navigation bar, text, one link (that is you can go to the schedule page), video, and footer. In footer I add some social media icons and text.

7. Schedule page

A schedule page is a record that contains a collection of scripts that allow for the custom generation of a calendar or timeline display. It helps us stay as organized as possible with our workflow. The schedule is one of the most effective tools for planning your project. A project schedule allows you to outline, assess, and communicate the essentials of a job, including deliverables, timeframes, and resources assigned to individual tasks.

Screen capture of website (Programming in java Schedule page)

ABC Learning Centre Home About Us Contact Us Course Privacy & Policy Site Map

Time Table(Java)

Date	Day	MM Time	Course
31-Jan-23	Tue	9:00 - 10:30	HTML
31-Jan-23	Tue	10:30 - 11:30	CSS
31-Jan-23	Tue	No	No
31-Jan-23	Tue	12:30 - 1:30	Programming in Java
31-Jan-23	Tue	1:30 - 3:00	Microsoft Office
31-Jan-23	Tue	3:00 - 4:00	Programming in .NET
1-Jan-24	Wed	9:00 - 10:30	Microsoft Office
1-Jan-24	Wed	10:30 - 11:30	HTML
1-Jan-24	Wed	No	No
1-Jan-24	Wed	12:30 - 1:30	Programming in .NET
1-Jan-24	Wed	1:30 - 3:00	Programming in Java
1-Jan-24	Wed	3:00 - 4:00	CSS



In this page, I add navigation bar, text, table and footer. In footer I add some social media icons and text.

Screen capture of website (Programming in .NET Schedule page)

ABC Learning Centre Home About Us Contact Us Course Privacy & Policy Site Map

Time Table(.NET)

Date	Day	MM Time	Course
31-Jan-23	Tue	9:00 - 10:30	HTML
31-Jan-23	Tue	10:30 - 11:30	CSS
31-Jan-23	Tue	No	No
31-Jan-23	Tue	12:30 - 1:30	Programming in Java
31-Jan-23	Tue	1:30 - 3:00	Microsoft Office
31-Jan-23	Tue	3:00 - 4:00	Programming in .NET
1-Jan-24	Wed	9:00 - 10:30	Microsoft Office
1-Jan-24	Wed	10:30 - 11:30	HTML
1-Jan-24	Wed	No	No
1-Jan-24	Wed	12:30 - 1:30	Programming in .NET
1-Jan-24	Wed	1:30 - 3:00	Programming in Java
1-Jan-24	Wed	3:00 - 4:00	CSS



In this page, I add navigation bar, text, table and footer. In footer I add some social media icons and text.

Screen capture of website (Microsoft office Schedule page)

ABC Learning Centre [Home](#) [About Us](#) [Contact Us](#) [Course](#) [Privacy & Policy](#) [Site Map](#)

Time Table(Microsoft Office)

Date	Day	MM Time	Course
31-Jan-23	Tue	9:00 - 10:30	HTML
31-Jan-23	Tue	10:30 - 11:30	CSS
31-Jan-23	Tue	No	No
31-Jan-23	Tue	12:30 - 1:30	Programming in Java
31-Jan-23	Tue	1:30 - 3:00	Microsoft Office
31-Jan-23	Tue	3:00 - 4:00	Programming in .NET
1-Jan-24	Wed	9:00 - 10:30	Microsoft Office
1-Jan-24	Wed	10:30 - 11:30	HTML
1-Jan-24	Wed	No	No
1-Jan-24	Wed	12:30 - 1:30	Programming in .NET
1-Jan-24	Wed	1:30 - 3:00	Programming in Java
1-Jan-24	Wed	3:00 - 4:00	CSS



In this page, I add navigation bar, text, table and footer. In footer I add some social media icons and text.

Screen capture of website (HTML page)

ABC Learning Centre [Home](#) [About us](#) [Contact us](#) [Course](#) [Privacy & Policy](#) [Site Map](#)

Time Table(HTML)

Date	Day	MM Time	Course
31-Jan-23	Tue	9:00 - 10:30	HTML
31-Jan-23	Tue	10:30 - 11:30	CSS
31-Jan-23	Tue	No	No
31-Jan-23	Tue	12:30 - 1:30	Programming in Java
31-Jan-23	Tue	1:30 - 3:00	Microsoft Office
31-Jan-23	Tue	3:00 - 4:00	Programming in .NET
1-Jan-24	Wed	9:00 - 10:30	Microsoft Office
1-Jan-24	Wed	10:30 - 11:30	HTML
1-Jan-24	Wed	No	No
1-Jan-24	Wed	12:30 - 1:30	Programming in .NET
1-Jan-24	Wed	1:30 - 3:00	Programming in Java
1-Jan-24	Wed	3:00 - 4:00	CSS



In this page, I add navigation bar, text, table and footer. In footer I add some social media icons and text.

8. Site Map page

It describes the pages, and other files on our website, and the relationships between them.

Screen capture of website (Site Map page)



In this page, I add navigation bar, text, links (it can go to another pages), footer. In footer I add some social media icons and text.

9. Privacy & policy page

In some way, ALL websites interact with user data. This means that if you have a website and you intend to have people visit that website, then it's mandatory that you include a privacy policy. The law requires you to inform users about the data you collect, how it is used, stored, and protected. It is a document that describes how the website handles any client, user, customer, or employee data gathered during its operations.

Screen capture of website (Privacy & policy page)

The screenshot shows the 'PRIVACY POLICY' page of the ABC Learning Centre website. At the top, there is a navigation bar with links to Home, About Us, Contact Us, Courses, Privacy & Policy, and Our Shop. The main content area features a large image of a person's hand pointing towards a padlock icon. A white box contains the word 'PRIVACY POLICY' and the padlock icon. Below this, a section titled 'Last updated September 29, 2022' provides a detailed legal notice about data protection laws like GDPR and CCPA, and how they apply to the site's data handling practices.

This screenshot shows a sub-page titled 'Mediavine Programmatic Advertising (Ver 1.1)'. It features a background image of hands typing on a keyboard with a digital shield overlay. The text explains how Mediavine uses third-party cookies to serve targeted advertising on websites. It details how these cookies track user behavior across different domains and how users can manage their cookie settings.

This screenshot shows another view of the Privacy Policy page. It features a large image of a hand interacting with a digital interface that includes a lock icon and arrows. The text in this section is identical to the one above, discussing the use of third-party cookies for advertising purposes.

In this page, I add navigation bar, text, image and footer. In footer I add some social media icons and text.

Chapter 6

Testing and Validation

Testing

It determines whether the actual software product meets the expected requirements and which software product is free of defects. It entails executing software and system components with automated or manual tools to evaluate one or more properties of interest.

Validation

As you enter information, the web server or browser will validate it to ensure that it is in the correct format and meets any restrictions imposed by the application.



It is the practice of researching and confirming the specific requirements of a specific stage of development. It executes the team application by the application's testing team.

Testing and validation are required to ensure that our end product meets the requirements of the website design. It also reduces the likelihood of product and defect failure. It assists in a conversation feel heard and understood.

Types of testing and validation techniques used are –Compatibility testing, Usability testing, Functional testing, Performance testing and Responsive testing.

Usability Testing

No.	Page	Test case	Expected results	Actual results	Pass/Fail	Figure
TC01	Course page	Page load time	Page load time of the website should be under 200ms.	Page load time of “Course” page is 97ms.	Pass	F001
TC02	About us page	The user interface design should be children	The user interface design must be children friendly and easy to understand	The user interface design is children friendly and easy to understand	Pass	F002

		friendly and easy to understand				
TC03	About us page	The text used in the website is simple	The design I used in the website is simple and easy to understand	The website's design is straightforward and uncomplicated	Pass	F003
TC04	Course page	Simple buttons	The buttons must be direct and simple	The buttons are direct and simple.	Pass	F004
TC05	About us page Sitemap page.	Home link should be there on every single page.	The link that is connected to home page should be in every page.	The link that is connected to home page exists in every page.	Pass	F005 F006
TC06	Tab for Home page	The tab must work properly.	The tab will be work properly.	The tab works properly.	Pass	F007
TC07	Home page	The content of a website must accurate and free of spelling and grammar mistakes.	A website's content should be accurate and error-free in both spelling and grammar.	A website's content is accurate and error-free in both spelling and grammar	Pass	F008
TC08	About us page	Between rows, there should be sufficient room.	There should be enough space in between the rows.	There is enough space in between the rows.	Pass	F009
TC09	Site Map page	All fonts should match the specifications	All fonts will match the specifications.	All fonts match the specifications	Pass	F010
TC10	Contact us page About us page	Title should display on each web page	Title will display on each web page	Title displays on each we page	Pass	F011 F012

F001

The screenshot shows a performance timeline and a detailed resource list for the ABC Learning Centre website. The timeline at the top shows various requests and their execution times. Below it is a table listing resources by name, status, type, initiator, size, time, and fulfilled by.

Name	Status	Type	Initiator	Size	Time	Fulfilled by	Waterfall
index.html	200	html	course.html	297 B	0 ms		
template-item-headshop.css	304	stylesheet	course.html	297 B	4 ms		
owl-carousel.css	304	stylesheet	course.html	297 B	3 ms		
lightbox.css	304	stylesheet	course.html	296 B	3 ms		
jquery-2.1.0.min.js	304	script	course.html	298 B	3 ms		
popper.js	304	script	course.html	298 B	3 ms		
bootstrap.min.js	304	script	course.html	297 B	4 ms		
owl-carousel.js	304	script	course.html	298 B	5 ms		
accordions.js	304	script	course.html	298 B	5 ms		
datepicker.js	304	script	course.html	297 B	5 ms		
scrollview.min.js	304	script	course.html	297 B	6 ms		
wayspoints.min.js	304	script	course.html	297 B	6 ms		
jquery.countup.min.js	304	script	course.html	296 B	6 ms		
css?family=Poppins:100,200,300,400,500,600,700,800,900	200	stylesheet	template-headshop.css	0 B	0 ms (memory cache)		
imgflip.min.js	304	script	course.html	297 B	6 ms		
slick.js	304	script	course.html	298 B	6 ms		
lightbox.js	304	script	course.html	297 B	6 ms		
isotope.js	304	script	course.html	297 B	7 ms		
custom.js	304	script	course.html	297 B	6 ms		
java.jpeg	304	jpeg	course.html	297 B	6 ms		
NET.png	304	png	course.html	297 B	7 ms		
MO.png	304	png	course.html	298 B	8 ms		
HTML.png	304	png	course.html	297 B	8 ms		
polytypic04HgVnDzS21xPQ.woff2	200	font	css?family=Poppins:100,200,3...	0 B	0 ms (memory cache)		
polytypic04HgVnDzS21xPQ.woff2	200	font	css?family=Poppins:100,200,3...	0 B	0 ms (memory cache)		
polytypic04HgVnDzS21xPQ.woff2	200	font	css?family=Poppins:100,200,3...	0 B	0 ms (memory cache)		
fontAwesome-webfont.woff?v=4.7.0	200	font	font-awesome.css	0 B	0 ms (memory cache)		
polytypic04HgVnDzS21xPQ.woff2	200	font	css?family=Poppins:100,200,3...	0 B	0 ms (memory cache)		
polytypic04HgVnDzS21xPQ.woff2	200	font	css?family=Poppins:100,200,3...	0 B	0 ms (memory cache)		
polytypic04HgVnDzS21xPQ.woff2	200	font	css?family=Poppins:100,200,3...	0 B	0 ms (memory cache)		
polytypic04HgVnDzS21xPQ.woff2	200	font	css?family=Poppins:100,200,3...	0 B	0 ms (memory cache)		
data:image/svg+xml...	200	svg+xml	bootstrap.min.css	0 B	0 ms (memory cache)		
data:image/gif;base...	200	gif	jquery-3.1.0.min.js	0 B	0 ms (memory cache)		
ws	101	websocket	course.html:242	0 B	Pending		

37 requests, 7.1 kB transferred, 1.6 MB resources, Finish: 86 ms, DOMContentLoaded: 91 ms, Load: 97 ms

F002

The screenshot shows the About Us page of the ABC Learning Centre website. It features a large banner image of a modern brick building, a brief introduction, and a "Our Team" section with three team members. Below that is a "Student's Feedback" section with three student reviews.

About Us

ABC Learning Centre was founded in 2001 to assist in providing educational services for learning disabled students.

Our Team

Student's Feedback

Jik
The teachers at our school are good teachers.

Juicy J
I think our schools are best schools in the world.

George
All the teachers are friendly and loving. Equally treated to every student.

F003

ABC Learning Centre Home About Us Contact Us Course Privacy & Policy Site Map

About Us

ABC Learning Centre were founded in 2008 out of a passion, affection and through challenges, commitment serve as one of best school for students that want to learn and succeed in education. We believe that every student brings different backgrounds and unique needs, we are dedicated to helping students of all ages reach their potential.

Come and join our school. We can join every class.

ABC Learning Centre were founded in 2008 out of a passion, affection and through challenges, commitment serve as one of best school for students that want to learn and succeed in education. We believe that every student brings different backgrounds and unique needs, we are dedicated to helping students of all ages reach their potential.

Matthew Lin
Programme Director

Juicy J
Deputy Headteacher Teacher

Leen
Information Headteacher Academic Teacher

Student's Feedback

Jik
The teachers at our school are good teachers.

I think our school the best school in the world.

George
All the teachers are friendly and loving. Equally treated to every student.

We Are Social
f t in

F004

ABC Learning Centre Home About Us Contact Us Course Privacy & Policy Site Map

Programming in Java

Java is a powerful general-purpose programming language.
About Java Programming
Platform independent - We can write Java code in one platform (operating system) and run on another platform without any modification.
Object oriented - Java is an object-oriented language.

Programming in .NET

.NET is an open-source platform for building desktop, web, and mobile applications that can run natively on any operating system.
.NET system includes tools, libraries, and languages that support modern, scalable, and high-performance software development.
An active developer community maintains and supports this.

Microsoft office

Microsoft Office, or simply Office, is a discontinued family of client software, server software, and services developed by Microsoft.
It was first announced by Bill Gates on August 1, 1988, at COMDEX in Las Vegas.
Students and educators of eligible institutions can sign up for Office 365 Education for free. Use your valid school email address to get started today.

HTML5

HTML is the standard markup language for Web pages. With HTML you can create your own Website.
HTML is easy to learn - You will enjoy it! Study our free HTML...

We Are Social
f t in

F005

ABC Learning Centre | Home | About Us | Contact Us | Course | Privacy & Policy | Site Map



About Us

ABC Learning Centre were created in 2000 out of passion, effectiveness and determination for providing best educational services.

"Come and join our school. It's just every student."

Throughout our program, communication used is not just words for creative, thoughtful expression, but also through the visual arts. We believe that the most meaningful education is experiential. We believe that using fresh and healthy ingredients for our students is the best way to ensure they have the best possible education.

[View More](#)

Our Team



Matthew Lin
Administrative Teacher



Juicy J
Intermediate Classroom Teacher



Leen
Information Technology Systems Teacher

Student's Feedback

Jik
The teachers at our school are good teachers.



I think our schools the best school in the world.



George
All the teachers are friendly and loving. Kindly treated to every student.



We Are Social!

F006

SiteMap

Home

Home

Course

Programming in Java

Programming in .Net

Microsoft office

HTML

Courseschedule(Programming in Java)

Courseschedule(Programming in .NET)

Courseschedule(Microsoft office)

Courseschedule(HTML)

About us

About us

Contact

Contact

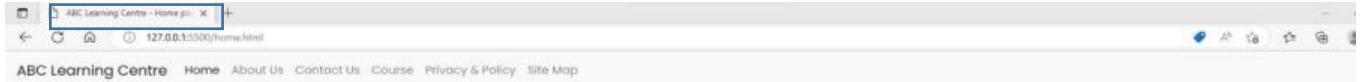
Privacy & policy

Privacy policy

Sitemap

SITEMAP

F007



F008

ABC Learning Centre · Home · About Us · Contact Us · Course · Privacy & Policy · Site Map



F009

ABC Learning Centre | Home | About Us | Contact Us | Course | Privacy & Policy | Site Map



About Us

ABC Learning Centre was created in 2009 out of a passion, reflection and determination for providing food and service.

" Come and join our school. You can join every classes. Through challenges, commitment and a lot of hard work to create the school, ABC Learning Centre has become one of the most successful restaurants in Myanmar. We believe that using freshest ingredients produces the best results. We are always in staying abreast of the latest food trends.



Our Team

Enough space



Matthew Lin
Programming Teacher



Juicy J
Website Development Teacher



Leen
Information Technology Systems Teacher

Student's Feedback



Jik
The teachers at our school are good teachers.



I think our school is the best school in the world.



George
All the teachers are friendly and loving.
Equally treated to every student.

We Are Social!



F010

ABC Learning Centre Home About Us Contact Us Course Privacy & Policy Site Map

SiteMap

Home Home	Course Programming in Java Programming in .Net Microsoft office HTML Courseschedule(Programming in Java) Courseschedule(Programming in .NET) Courseschedule(Microsoft office) Courseschedule(HTML)	About us About us
Contact Contact	Privacy & policy Privacy policy	Sitemap SiteMap

We Are Social
[f](#) [t](#) [in](#)

F011

ABC Learning Centre Home About Us Contact Us Course Privacy & Policy Site Map



Contact Us

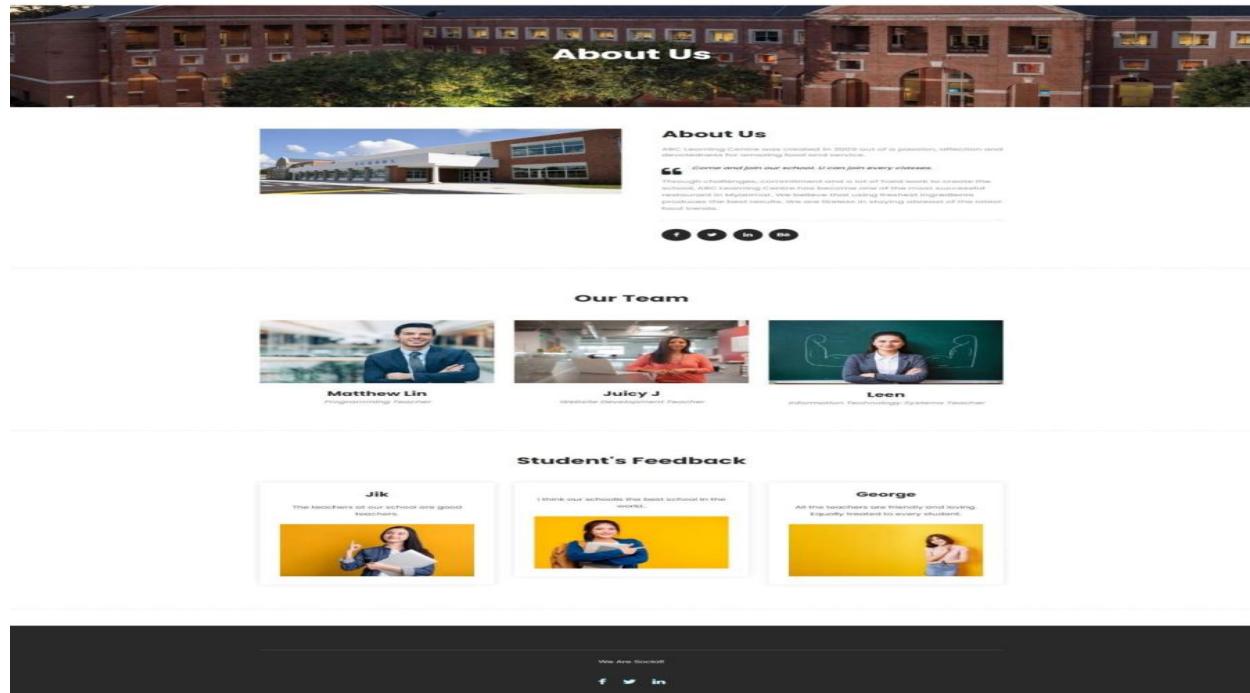
Say Hello. Don't Be Shy!
You can freely ask for what you want

Your name Your email
Your message

We Are Social
[f](#) [t](#) [in](#)

F012

ABC Learning Centre Home About Us Contact Us Courses Privacy & Policy Site Map

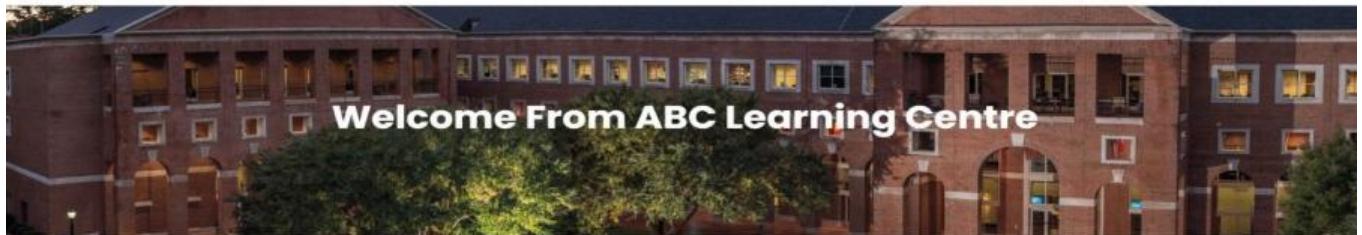
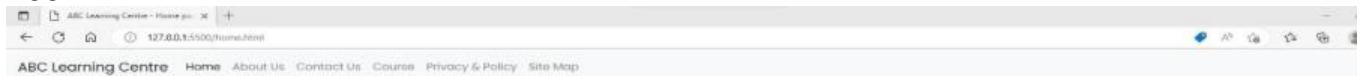


Functional Testing

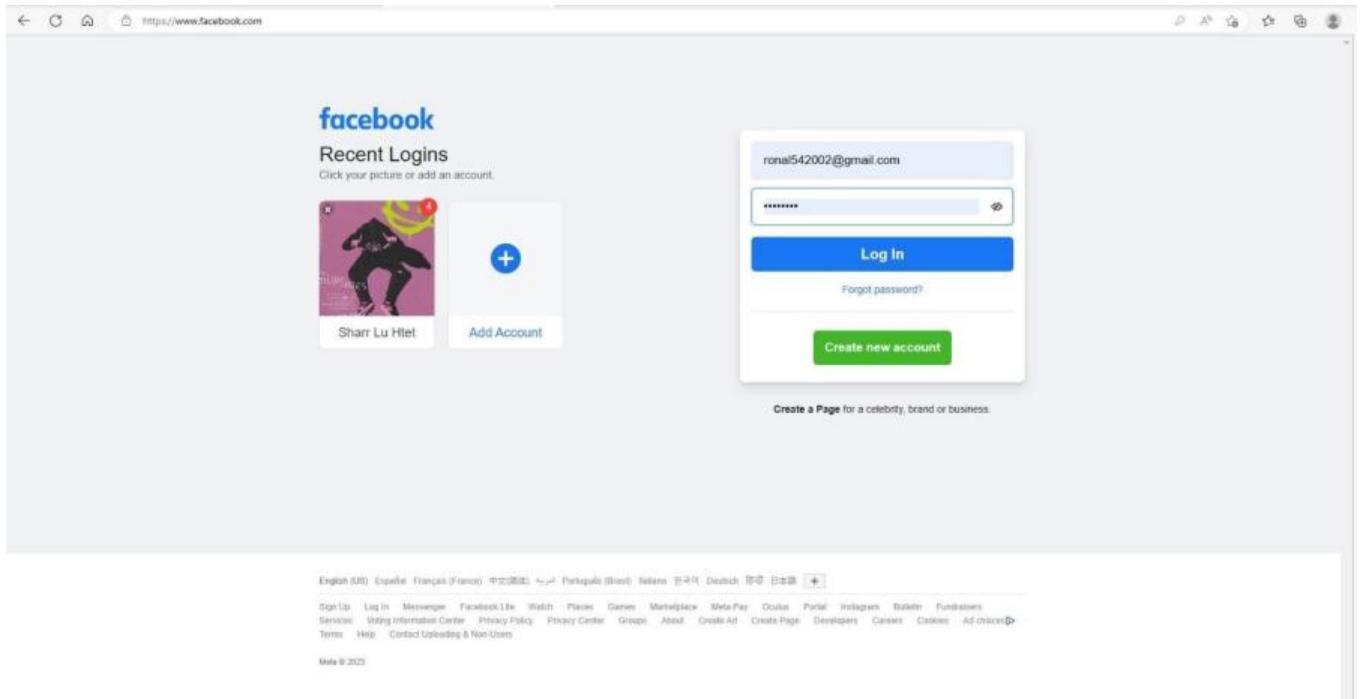
No.	Page	Test case	Expected results	Actual results	Pass/Fail	Figure
TC01	Home page	Outgoing link	When the user clicks the social media icons in the footer section, it will go to respective social media.	When the user clicks the Facebook icon in the footer it goes to Facebook page.	Pass	F001 F002
TC02	Home page to sitemap page	Internal link	When the user clicks one of the names in the menu bar, it will go to its corresponding page.	When the user clicks sitemap page from menu bar, it will go to sitemap page	Pass	F003 F004

TC03	Course page	Broken link	All the links and buttons to go other places work properly.	All the links are not broken.	Pass	F005
TC04	Contact us page	Form validation	If the user does not fill in required text	When the user does not fill in the required place, it shows	Pass	F006
TC05	Privacy & policy Page	The Privacy Policy & FAQ must well-written and need to be accessible to users.	The Privacy Policy & FAQ should be well-written and need to be accessible to users.	The Privacy Policy & FAQ are well-written and need to be accessible to users.	Pass	F007
TC06	Privacy & policy page	Verify the Java script's functionality in several browsers.	Check the functioning of the Java script in several browsers	Verify the java script's functionality in several browsers.	Pass	F008 F009
TC07	Contact us page	Check for special characters in all input fields	Check all input boxes for special characters.	Check all input boxes for special characters.	Pass	F010
TC08	Course page	Test the functionality of the buttons available	The buttons must be functional.	The buttons are functional.	Pass	F011

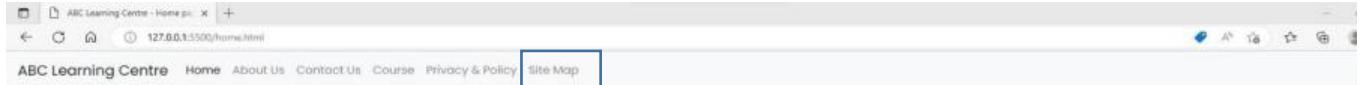
F001



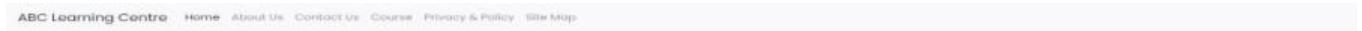
F002



F003

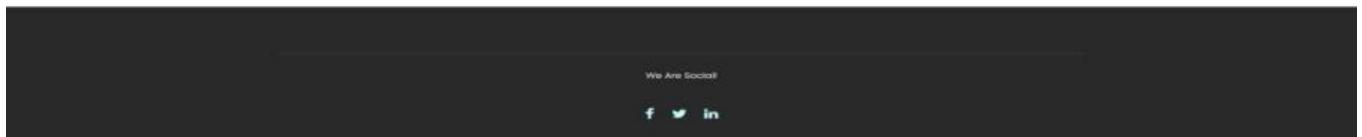


F004



SiteMap

Home Home	Course Programming in Java Programming in .NET Microsoft office HTML Courseschedule(Programming in Java) Courseschedule(Programming in .NET) Courseschedule(Microsoft office) Courseschedule(HTML)	About us About us
Contact Contact	Privacy & policy Privacy policy	Sitemap SiteMap



F005

ABC Learning Centre Home About Us Contact Us Course Privacy & Policy Site Map

Java
Programming in Java
Java is a powerful general-purpose programming language.
About Java Programming
*Platform independent - We can write Java code in one platform (operating system) and run on another platform without any modification.
*Object-oriented - Java is an object-oriented language.
[Details](#)

.NET
Programming in .Net
.NET is an open-source platform for building desktop, web, and mobile applications that can run natively on any operating system.
The .NET system includes tools, libraries, and languages that support modern, scalable, and high-performance software development.
An active developer community maintains and supports the...
[Details](#)

Office
Microsoft office
Microsoft Office, or simply Office, is a discontinued family of client software, server software, and services developed by Microsoft.
It was first announced by Bill Gates on August 5, 1988, at COMDEX in Las Vegas.
Students and educators of eligible institutions can sign up for Office 365 Education for free. Use your valid school email address to get started today.
[Details](#)

HTML
HTML is the standard markup language for Web pages. With HTML you can create your own Website.
HTML is easy to learn - You will enjoy it! Study our free HTML...
[Details](#)

F006



Say Hello. Don't Be Shy!

You can freely ask for details.

Your name	Your email
Please fill out this field.	
Your message	



F007



F008

Google Chrome



F009

Microsoft Edge



F010



Say Hello. Don't Be Shy!

You can freely ask for details

0000	0000
00000	



F011

ABC Learning Centre Home About Us Contact Us Course Privacy & Policy Site Map

The screenshot shows four main sections on the website:

- Java**: A blue-themed section with a background image of multiple computer screens. It includes a "Programming in Java" heading, a brief description, and a "Continue" button.
- .NET**: A purple-themed section with a background image of a computer monitor. It includes a "Programming in .Net" heading, a brief description, and a "Continue" button.
- Microsoft Office**: A white-themed section featuring the Microsoft Office logo (a red ribbon icon) and the word "Office". It includes a brief description and a "Continue" button.
- HTML**: A dark-themed section with a background image of a computer monitor. It features the "HTML 5" logo and a brief description, followed by a "Continue" button.

Below these sections is a large black rectangular area with the text "We Are Social!" and social media icons for Facebook, Twitter, and LinkedIn.

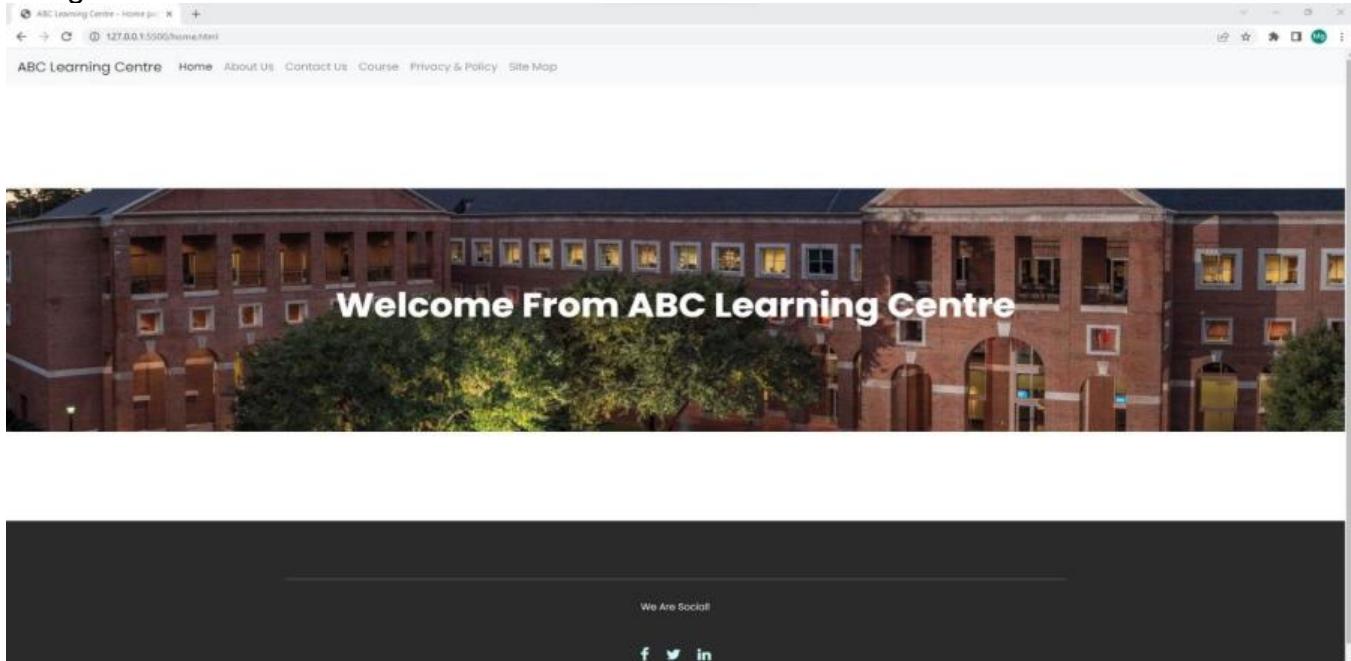
Compatibility Testing

No.	Page	Test case	Expected results	Actual results	Pass/Fail	Figure
TC01	Home page	Testing in different browsers	The result and display will be same in different browsers.	The result and display are same in different browsers.	Pass	F001 F002
TC02	Home page	Verify that the used HTML version is compatible with the relevant browser versions.	Check to see if the applicable browser versions are compatible with the HTML version being used	Check to see if the applicable browser versions are compatible with the HTML version being used.	Pass	F003 F004

TC03	About us page	Image display	Verify that the photos appear properly in various browsers.	The photo appears properly in various browsers.	Pass	F005 F006
TC04	Site map page	Font display	Verify that the typefaces can be used in various browsers.	The size of the fonts and format are same in different browsers.	Pass	F007 F008
TC05	Home page	Java Script working	Verify that the java script code works in various browsers.	Java script code works in various browsers	Pass	F009 F010
TC06	Java Detail course page	Videos display	Videos should appear in a proper way in different browsers.	Videos appear in a proper way in different browsers.	Pass	F011 F012
TC07	Contact us page	Contact Form display	Contact form should appear in a proper way in different browsers.	Contact form appears in a proper way in different browsers.	Pass	F013 F014
TC08	Course page	Button display	Button should appear in a proper way in different browsers.	Button appear in a proper way in different browsers.	Pass	F015 F016

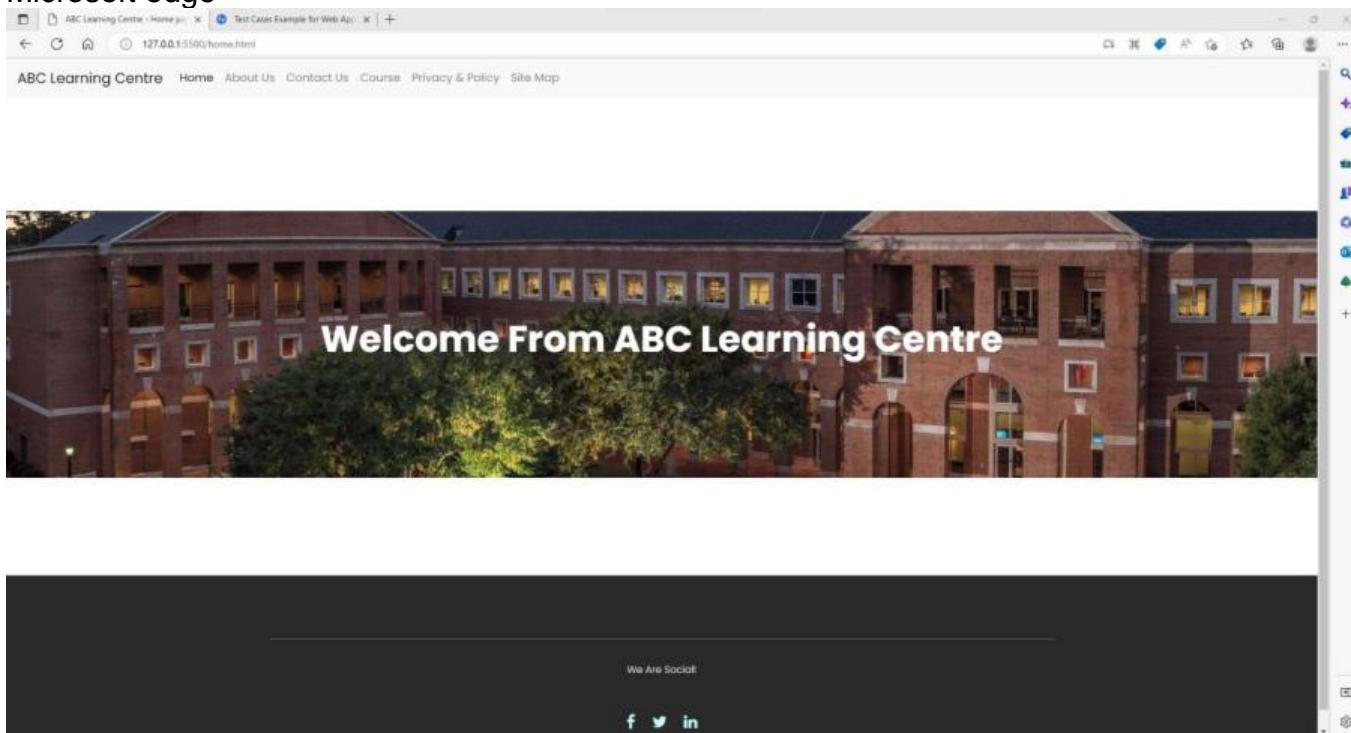
F001

Google chrome



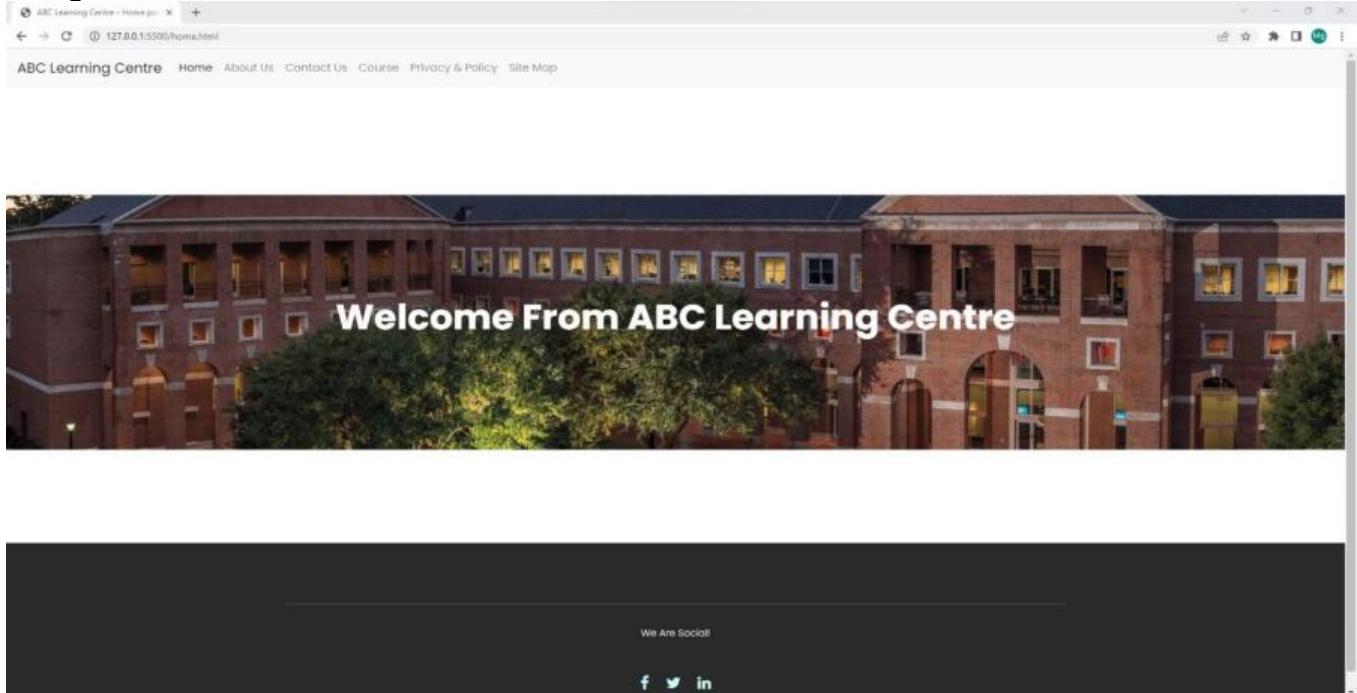
F002

Microsoft edge



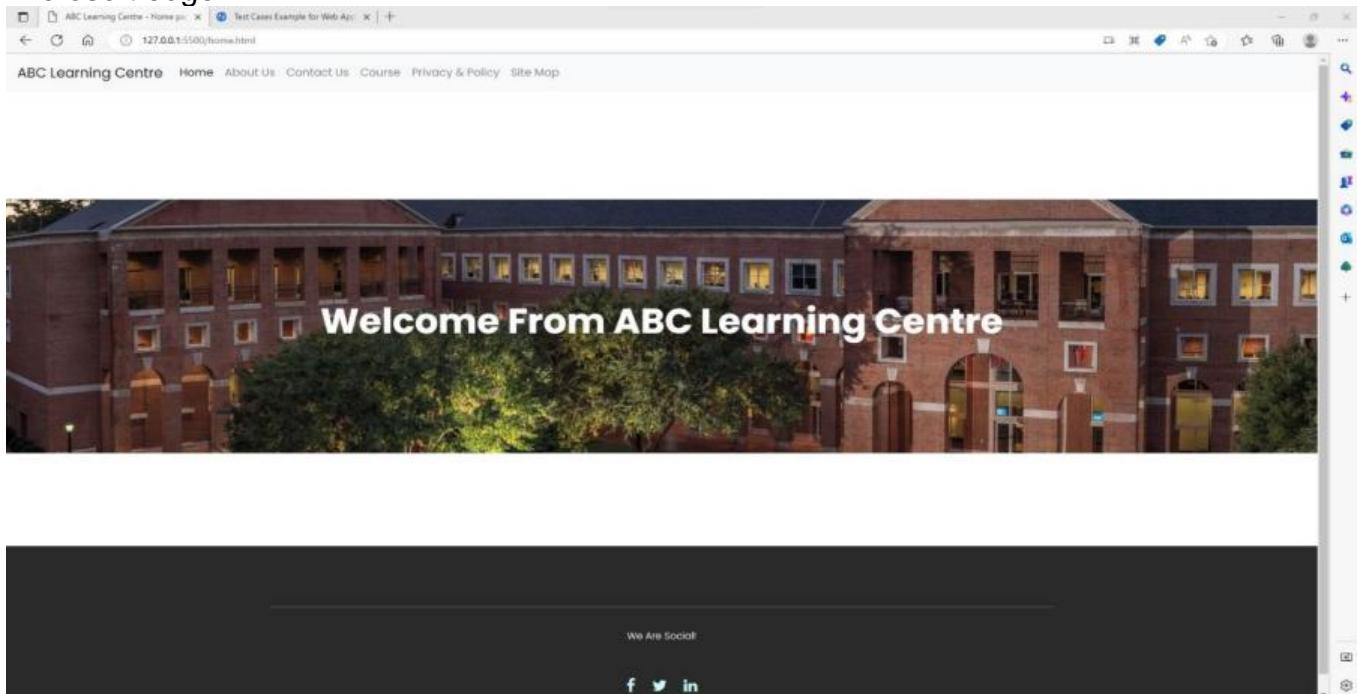
F003

Google chrome



F004

Microsoft edge



F005

Google Chrome



About Us

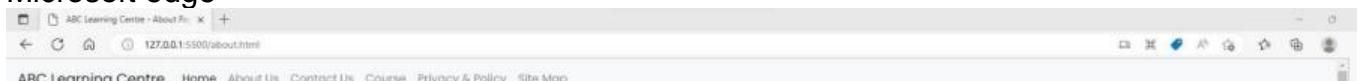
ABC Learning Centre was created in 2009 out of a passion, affection and devotedness for amazing food and service.

“ Come and join our school. You can join every classes.

Through challenges, commitment and a lot of hard work to create the school, ABC Learning Centre has become one of the most successful restaurant in Myanmar. We believe that using freshest ingredients produces the best results. We are timeless in staying abreast of the latest

F006

Microsoft edge



About Us

ABC Learning Centre was created in 2009 out of a passion, affection and devotedness for amazing food and service.

“ Come and join our school. You can join every classes.

Through challenges, commitment and a lot of hard work to create the school, ABC Learning Centre has become one of the most successful restaurant in Myanmar. We believe that using freshest ingredients produces the best results. We are timeless in staying abreast of the latest

F007

Google Chrome



SiteMap

Home Home	Course Programming in java Programming in .Net Microsoft office HTML Courseschedule(Programming in Java) Courseschedule(Programming in .NET) Courseschedule(Microsoft office) Courseschedule(HTML)	About us About us
Contact Contact	Privacy & policy Privacy policy	Sitemap SiteMap

F008

Microsoft edge

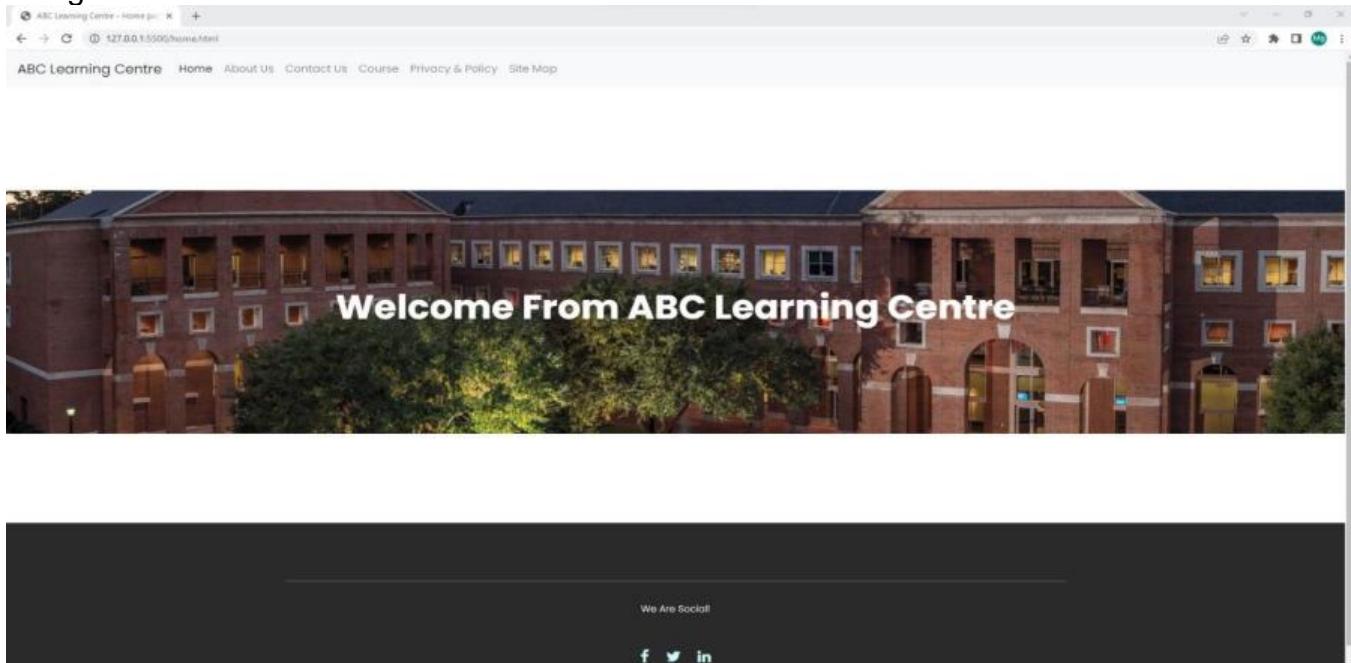


SiteMap

Home Home	Course Programming in java Programming in .Net Microsoft office HTML Courseschedule(Programming in Java) Courseschedule(Programming in .NET) Courseschedule(Microsoft office) Courseschedule(HTML)	About us About us
Contact Contact	Privacy & policy Privacy policy	Sitemap SiteMap

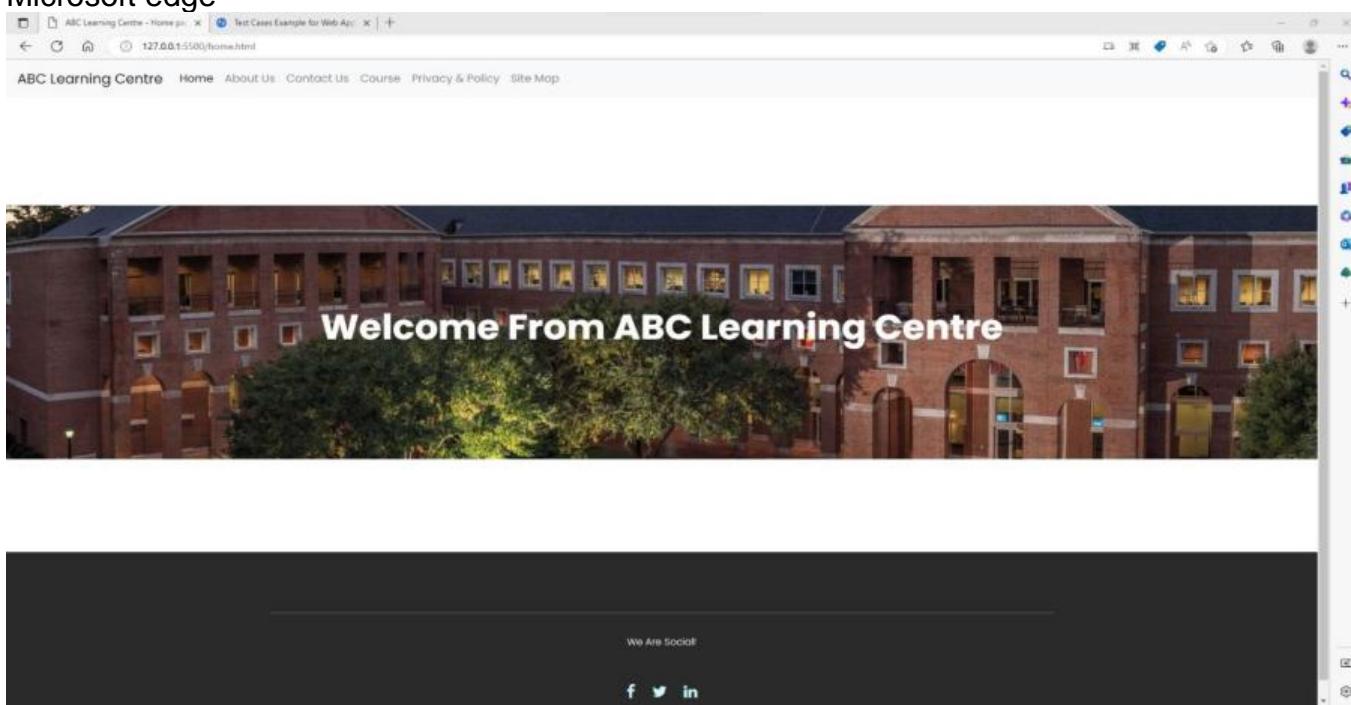
F009

Google Chrome



F010

Microsoft edge



F011

Google Chrome

A screenshot of a Google Chrome browser window. The title bar says "ABC Learning Centre - detail pr..." and the address bar shows "127.0.0.1:5500/detail.html". The page content is titled "Programming in Java". It features a large thumbnail for a video titled "Java Tutorial for Beginners" with the subtitle "JAVA BEGINNERS TUTORIAL". The thumbnail includes a play button icon and a photo of a man with glasses. Below the thumbnail, there is a brief description of Java and a "Watch on YouTube" button. At the bottom of the video player, there is a banner with the text "Why take this Java Course? FULL COURSE" and "Watch later" and "Share" buttons.

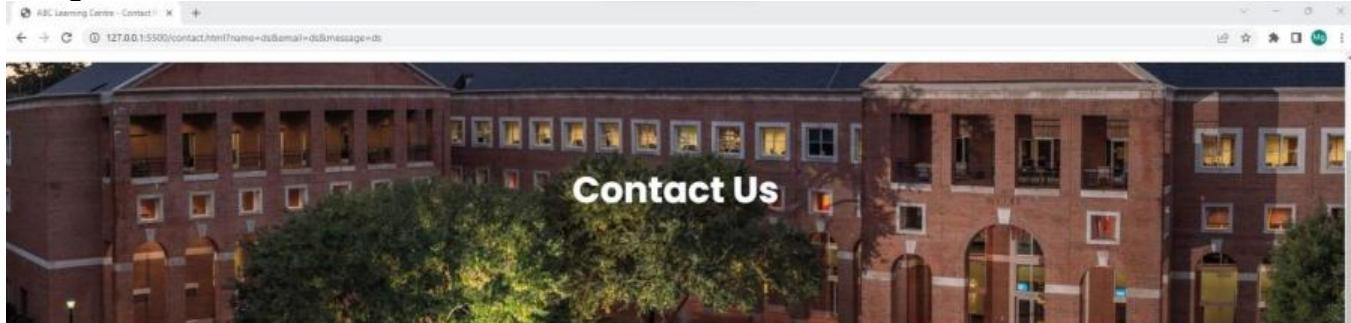
F012

Microsoft edge

A screenshot of a Microsoft Edge browser window. The title bar says "ABC Learning Centre - detail pr..." and the address bar shows "127.0.0.1:5500/detail.html". The page content is titled "Programming in Java". It features a large thumbnail for a video titled "Java Tutorial for Beginners" with the subtitle "JAVA BEGINNERS TUTORIAL". The thumbnail includes a play button icon and a photo of a man with glasses. Below the thumbnail, there is a brief description of Java and a "Watch on YouTube" button. At the bottom of the video player, there is a banner with the text "Why take this Java Course? FULL COURSE" and "Watch later" and "Share" buttons.

F013

Google Chrome



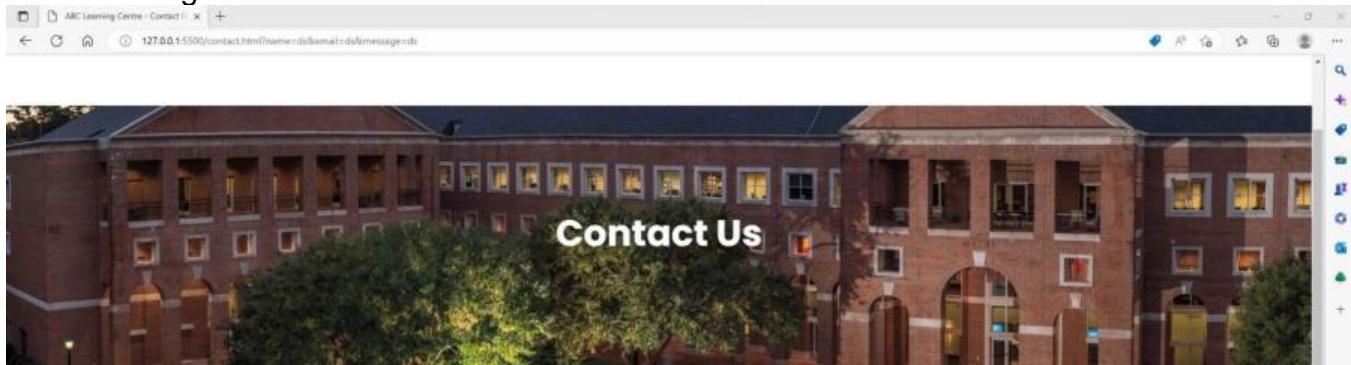
Say Hello. Don't Be Shy!

You can freely ask for details



F014

Microsoft edge



Say Hello. Don't Be Shy!

You can freely ask for details



F015

Google Chrome

The screenshot shows a web browser window with three main content blocks:

- Java:** A dark blue background with floating code snippets and the word "Java" in white. Below it is a section titled "Programming in Java" with a "Detail" button.
- .NET:** A solid purple background with the ".NET" logo in white. Below it is a section titled "Programming in .Net" with a "Detail" button.
- Microsoft office:** A white background featuring the Microsoft Office logo and icons for Word, Excel, PowerPoint, OneDrive, and others. Below it is a section titled "Microsoft office" with a "Detail" button.

A large "HTML5" logo is visible on the left side of the page.

F016

Microsoft edge

The screenshot shows a web browser window with three main content blocks:

- Java:** A dark blue background with floating code snippets and the word "Java" in white. Below it is a section titled "Programming in Java" with a "Detail" button.
- .NET:** A solid purple background with the ".NET" logo in white. Below it is a section titled "Programming in .Net" with a "Detail" button.
- Microsoft office:** A white background featuring the Microsoft Office logo and icons for Word, Excel, PowerPoint, OneDrive, and others. Below it is a section titled "Microsoft office" with a "Detail" button.

A large "HTML5" logo is visible on the left side of the page.

Performance Testing

No	Page	Test Case	Expected Result	Actual Result	Pass/Fail	Figure
TC01	Home Page	Page Loading	Page loading time of the website should be under 200ms.	Home page loading time is 31ms.	Pass	Fig 1
TC02	About Us Page	Page Loading	Page loading time of the website should be under 200ms.	About Us page loading time is 20ms	Pass	Fig 2
TC03	Contact Us Page	Page Loading	Page loading time of the website should be under 200ms.	Contact Us page loading time is 14ms.	Pass	Fig 3
TC04	Course Page	Page Loading	Page loading time of the website should be under 200ms.	Course Page loading time is 15ms	Pass	Fig 4
TC05	.NET Schedule Page	Page Loading	Page loading time of the website	Schedules Page loading time is 30ms.	Pass	Fig 5

			should be under 200ms.			
TC06	Sitemap Page	Page Loading	Page loading time of the website should be under 200ms.	Sitemap Page loading time is 11ms.	Pass	Fig 6
TC07	Privacy Policy Page	Page Loading	Page loading time of the website should be under 200ms.	Privacy policy page loading time is 30ms.	Pass	Fig 7
TC08	Java Course Page	Page Loading	Page loading time of the website should be under 200ms.	Home page loading time is 30ms.	Pass	Fig 8
TC09	HTML Course Page	Page Loading	Page loading time of the website should be under 200ms.	Home page loading time is 20ms.	Pass	Fig 9
TC10	JAVA Schedule Page	Page Loading	Page loading time of the website should	Home page loading time is 16ms.	Pass	Fig 10

			be under 200ms.			
TC1 1	HTML Schedule Page	Page Loading	Page loading time of the website should be under 200ms.	Home page loading time is 15ms.	Pass	Fig 11

Fig1

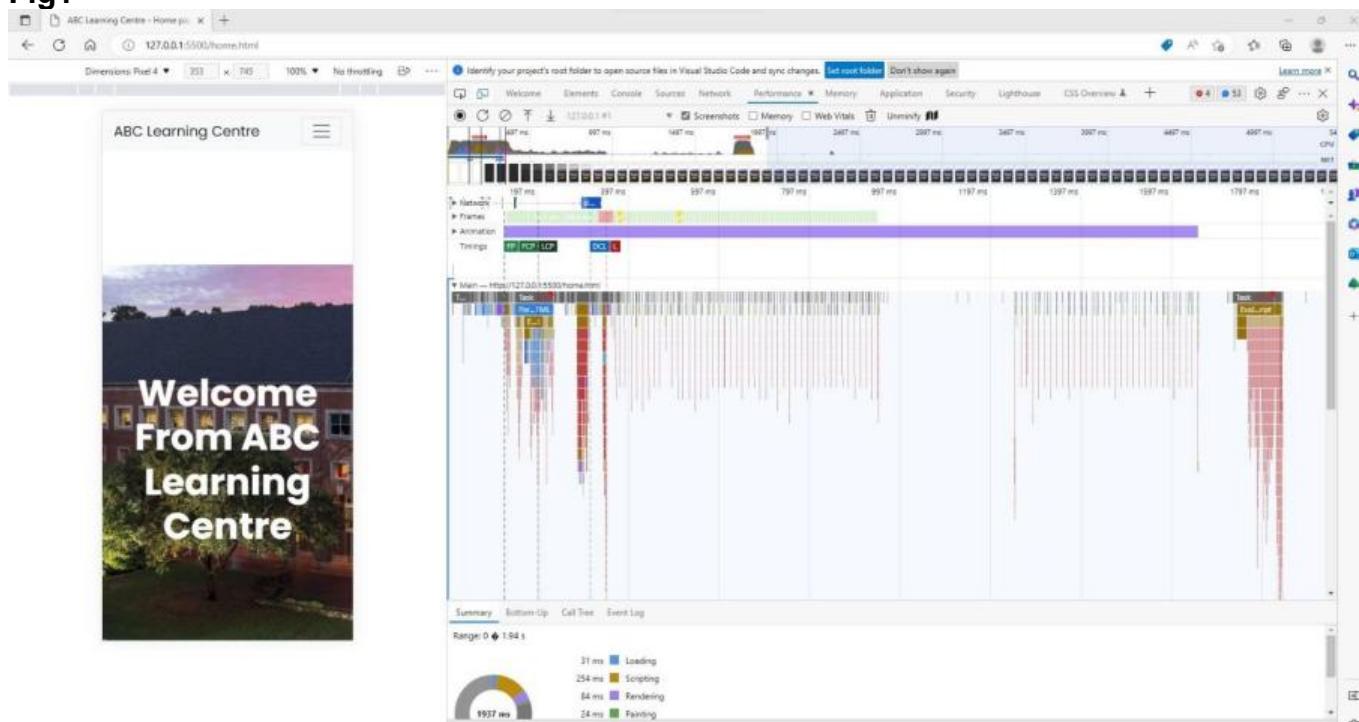


Fig2

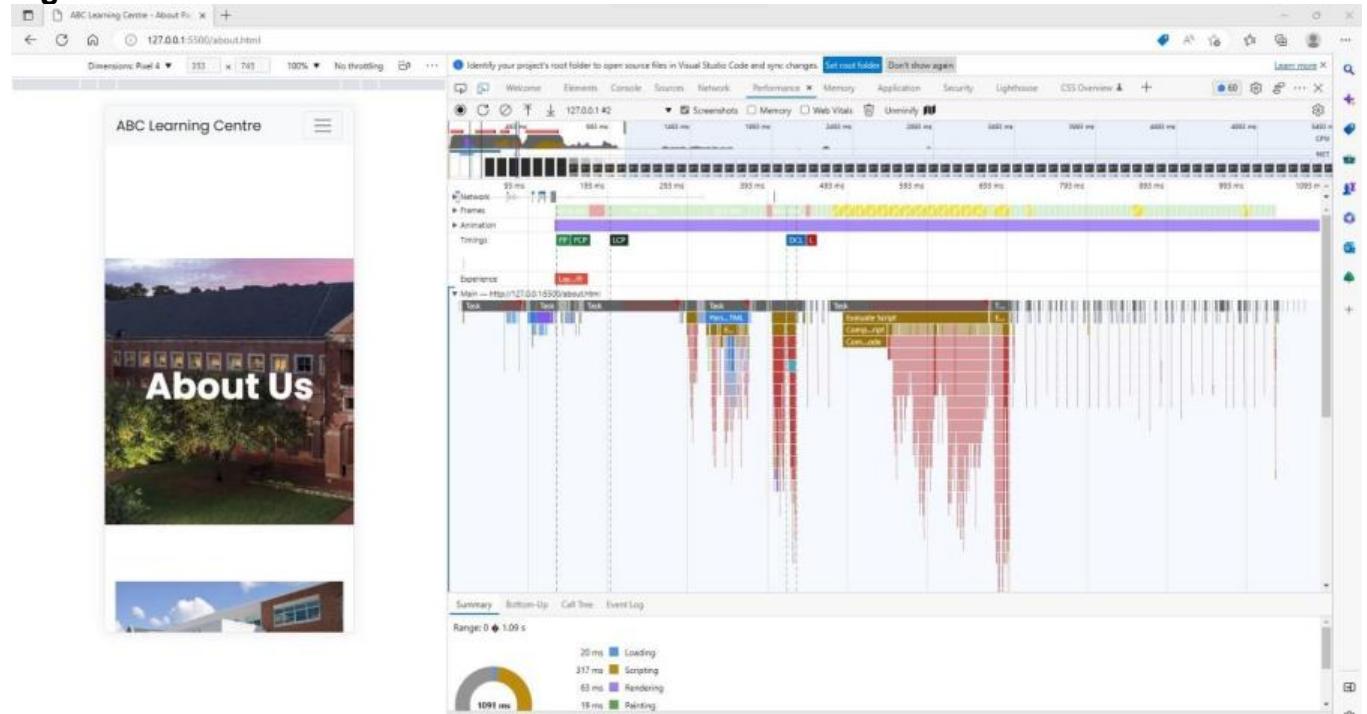


Fig3

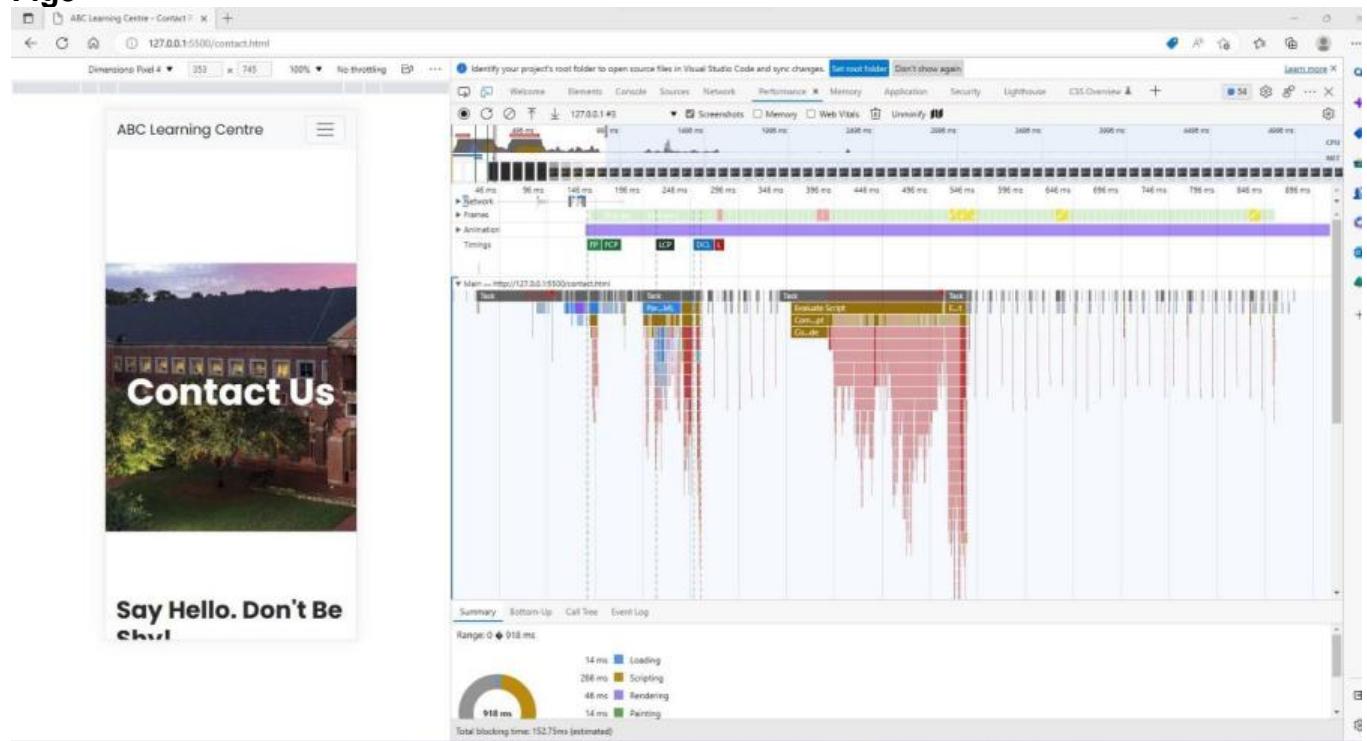


Fig4

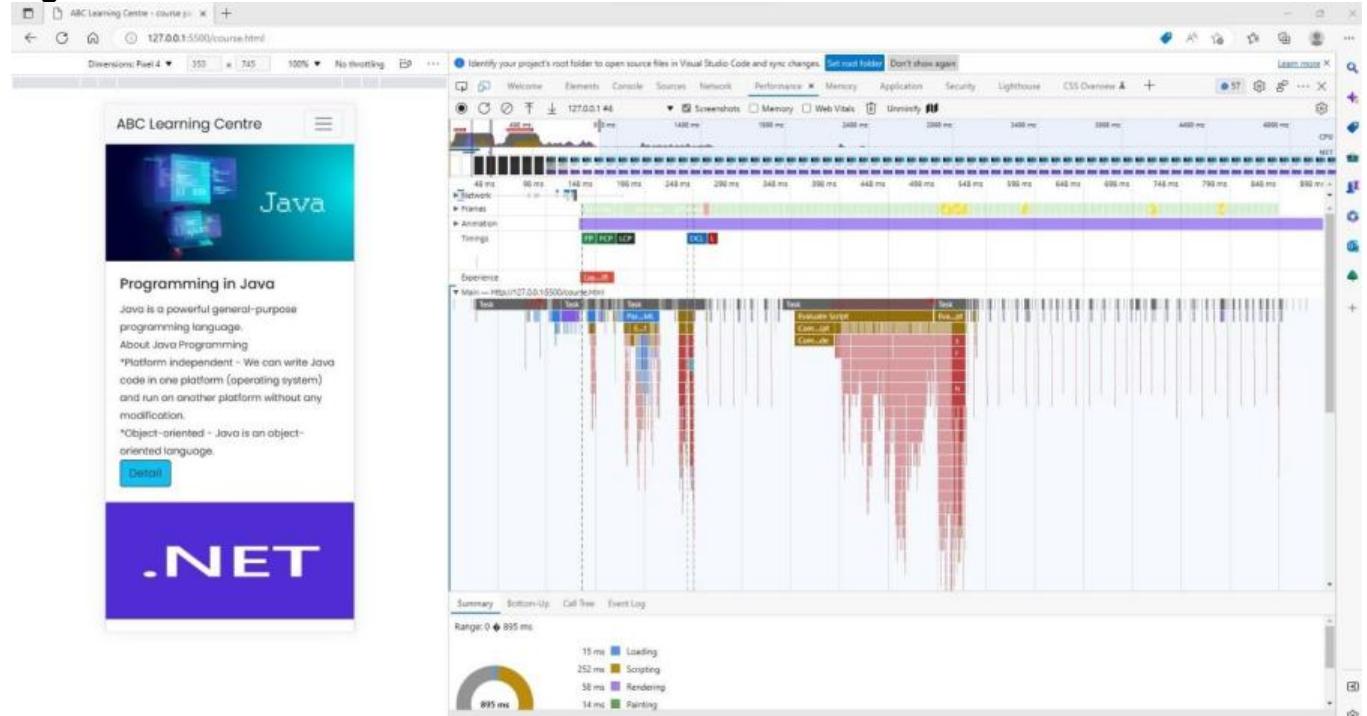


Fig5

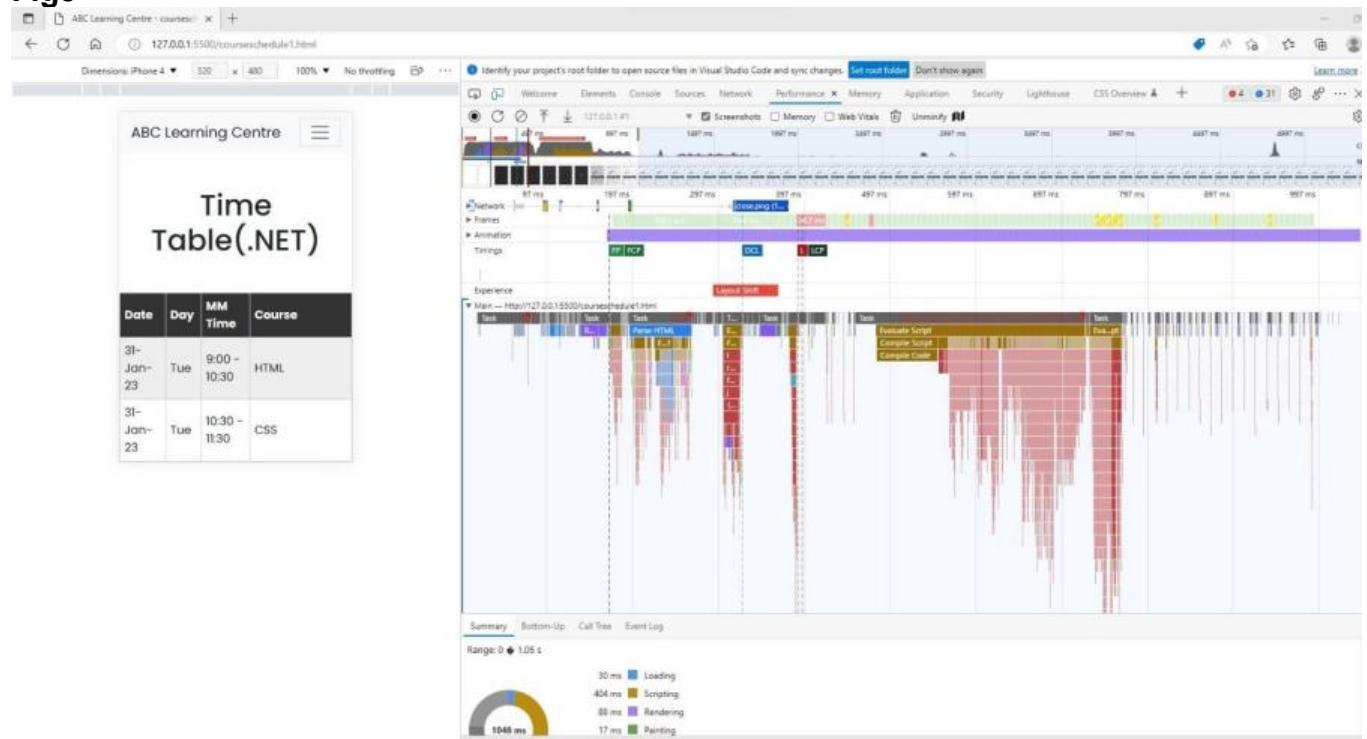


Fig6

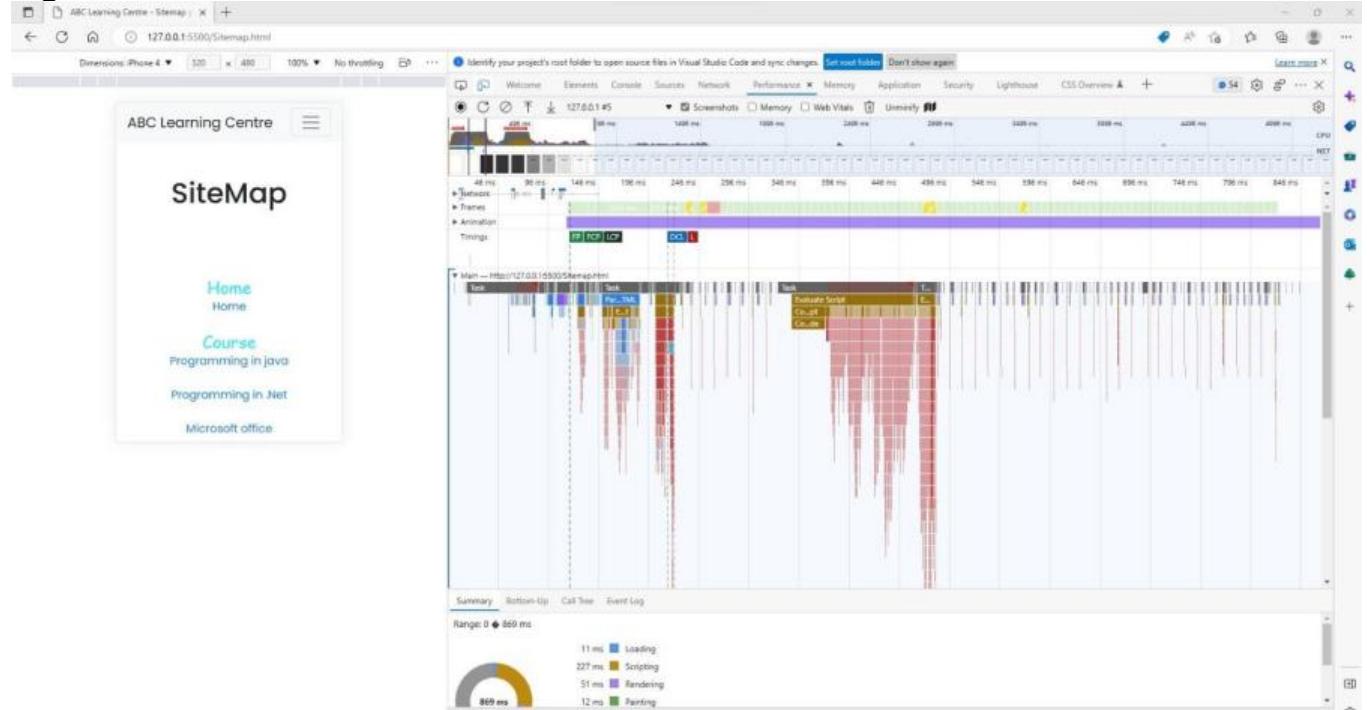


Fig7

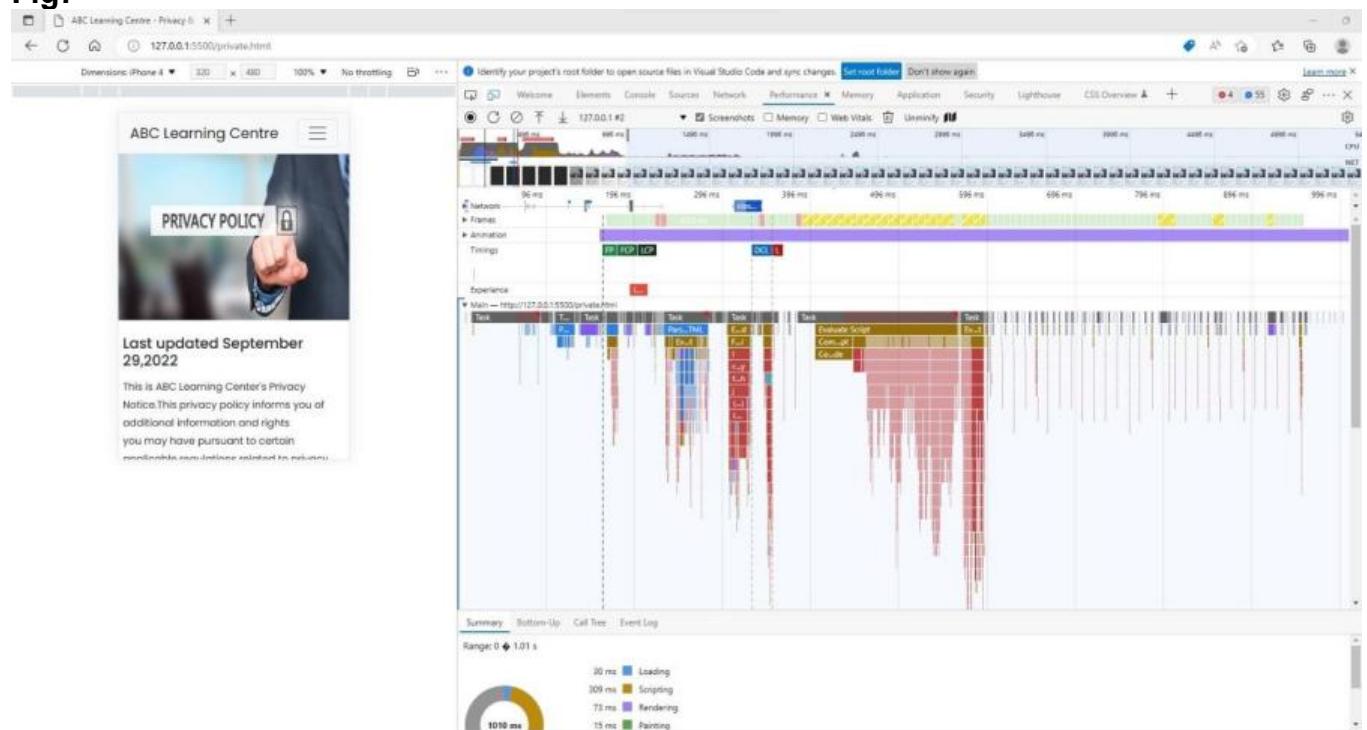


Fig8

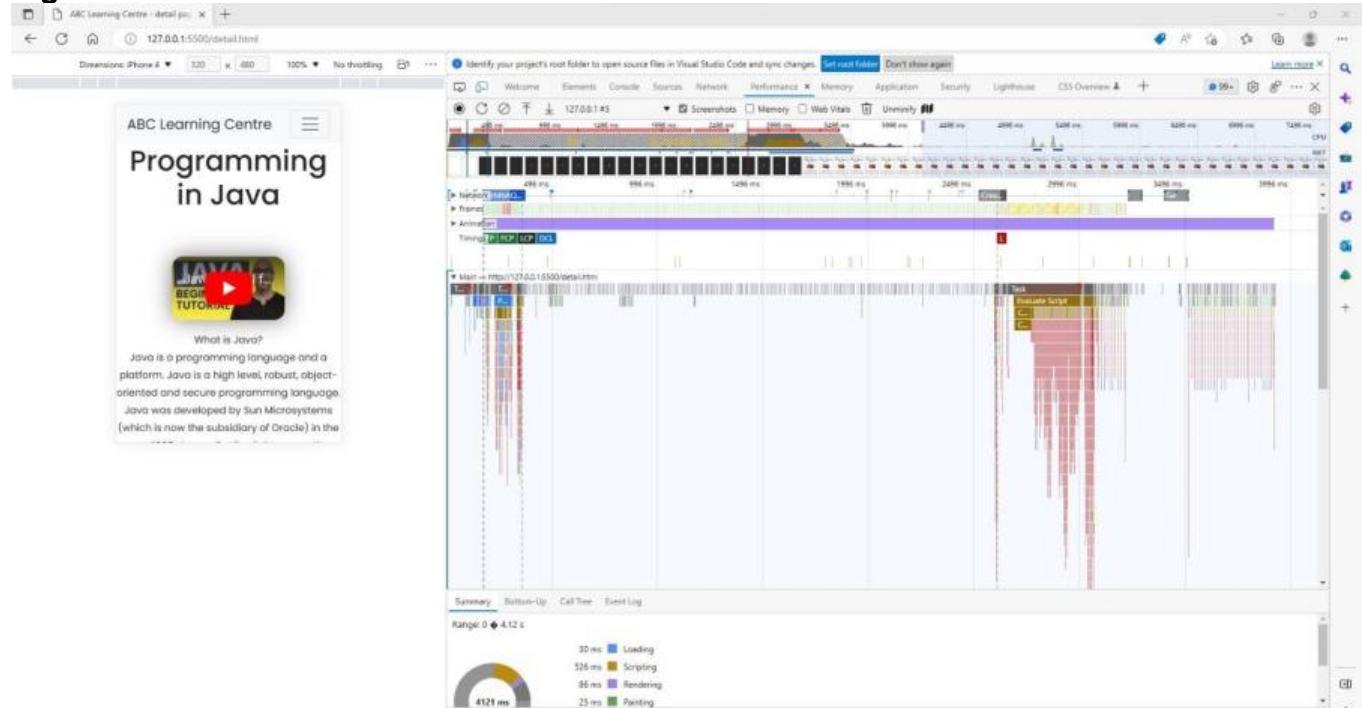


Fig9

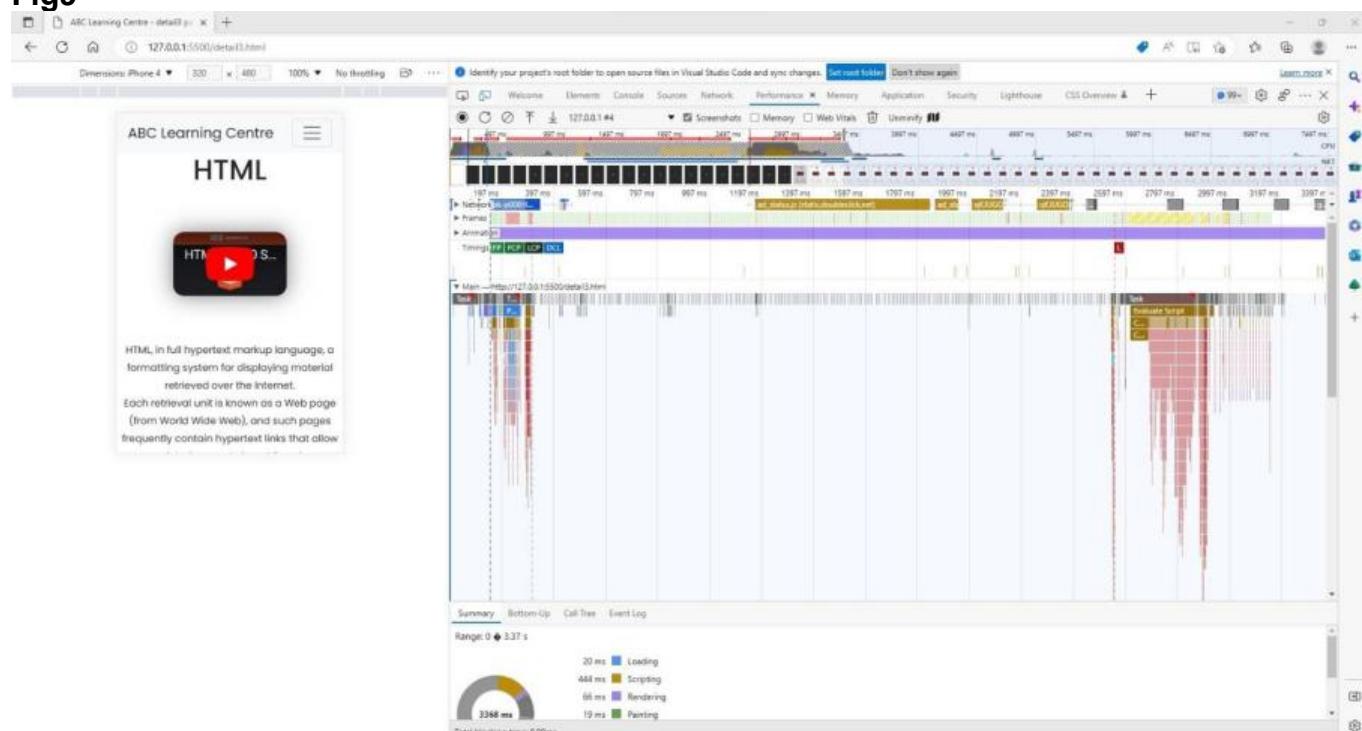


Fig10

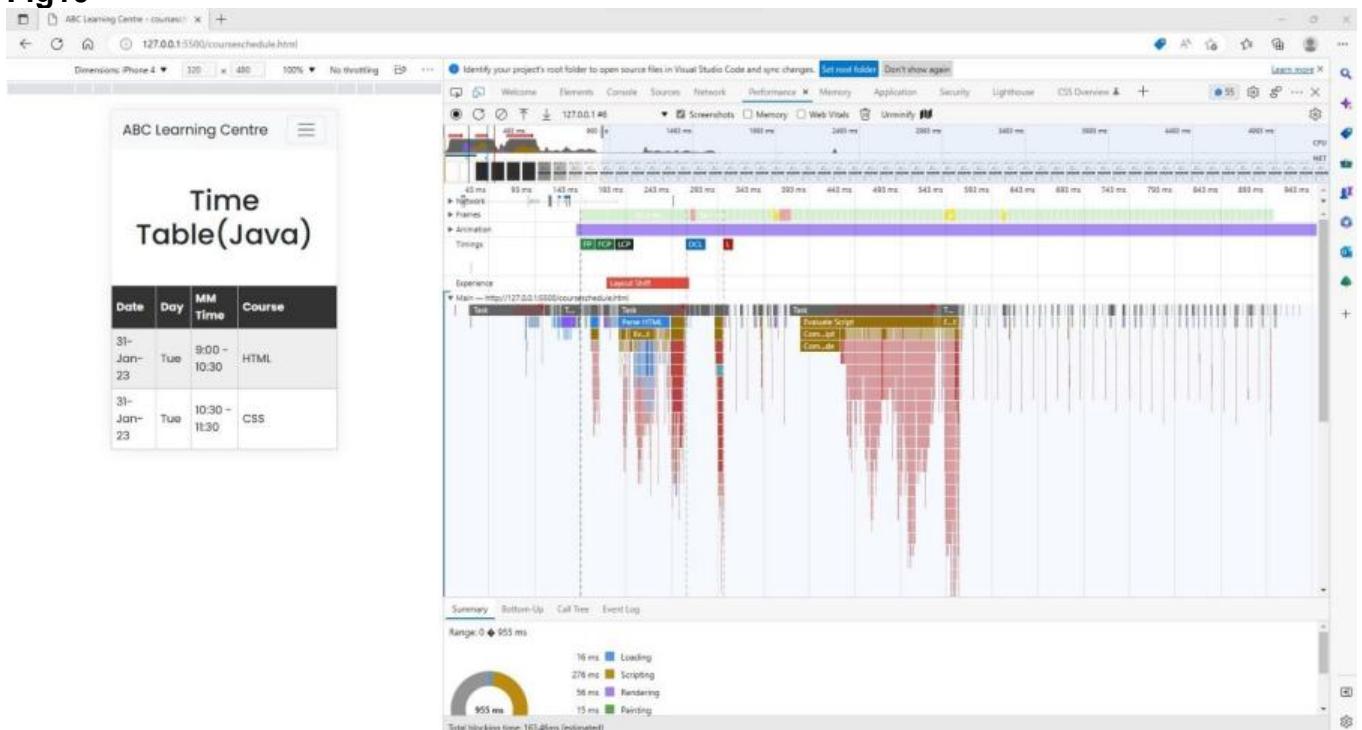
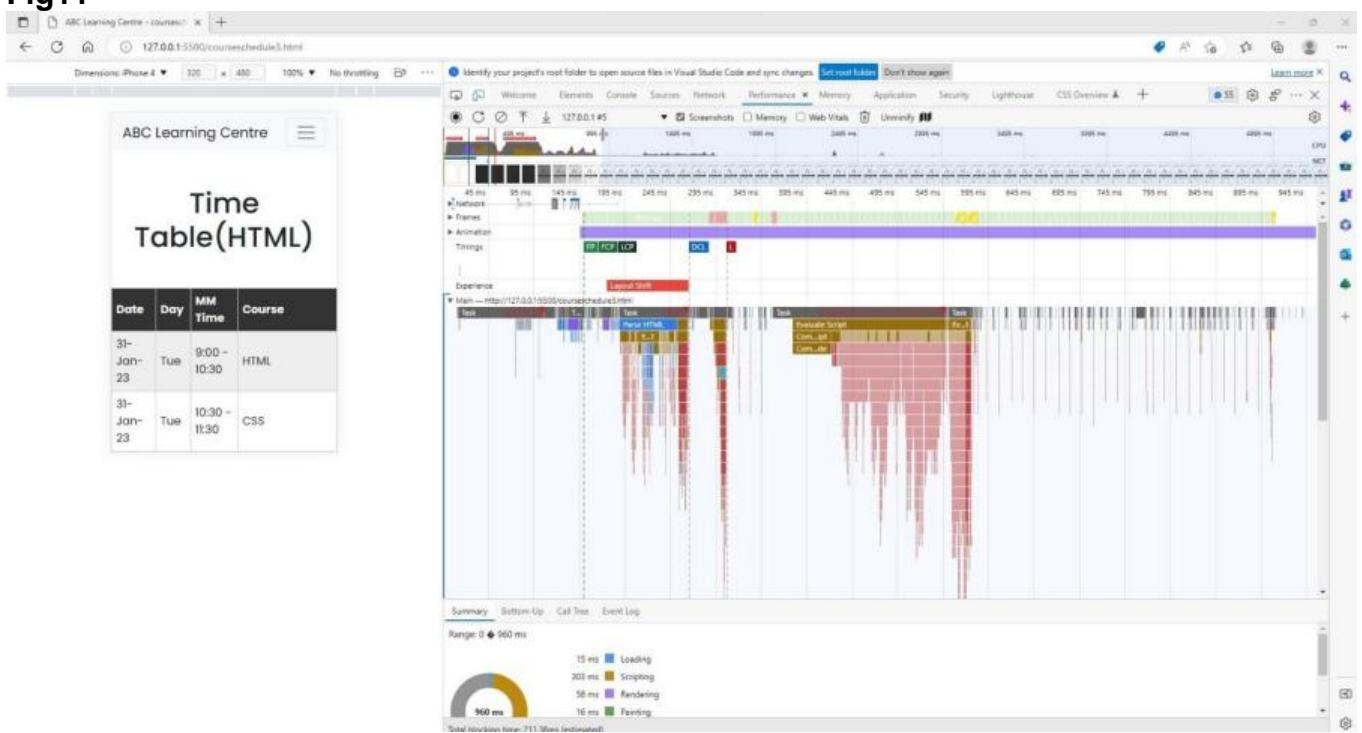


Fig11



Responsive testing

Test case	Page	Test Case	Expected Result	Actual Result	Pass/Fail	Figure
TC01	Home Page	Responsive test	The page should be responsive.	The page is responsive.	Pass	Fig 1
TC02	About Us Page	Responsive test	The page should be responsive.	The About Us page is responsive.	Pass	Fig 2
TC03	Contact Us Page	Responsive test	The page should be responsive.	The page is responsive.	Pass	Fig 3
TC04	Course Page	Responsive test	The page should be responsive.	The page is responsive.	Pass	Fig 4
TC05	Sitemapp Page	Responsive test	The page should be responsive.	The page is responsive.	Pass	Fig 5
TC06	Privacy Policy Page	Responsive test	The page should be responsive.	The page is responsive.	Pass	Fig 6
TC07	Java course Page	Responsive test	The page should be responsive.	The page is responsive.	Pass	Fig 7
TC08	HTML course Page	Responsive test	The page should be responsive.	The page is responsive.	Pass	Fig 8

TC9	.Net course page	Responsive test	The page should be responsive.	The page is responsive.	Pass	Fig 9
TC10	Microsoft office course page	Responsive test	The page should be responsive.	The page is responsive.	Pass	Fig 10
TC11	Java schedule Page	Responsive test	The page should be responsive.	The page is responsive.	Pass	Fig 11
TC12	HTML course Page	Responsive test	The page should be responsive.	The page is responsive.	Pass	Fig 12
TC13	.Net course page	Responsive test	The page should be responsive.	The page is responsive.	Pass	Fig 13
TC14	Microsoft office schedule page	Responsive test	The page should be responsive.	The page is responsive.	Pass	Fig 14

Fig1

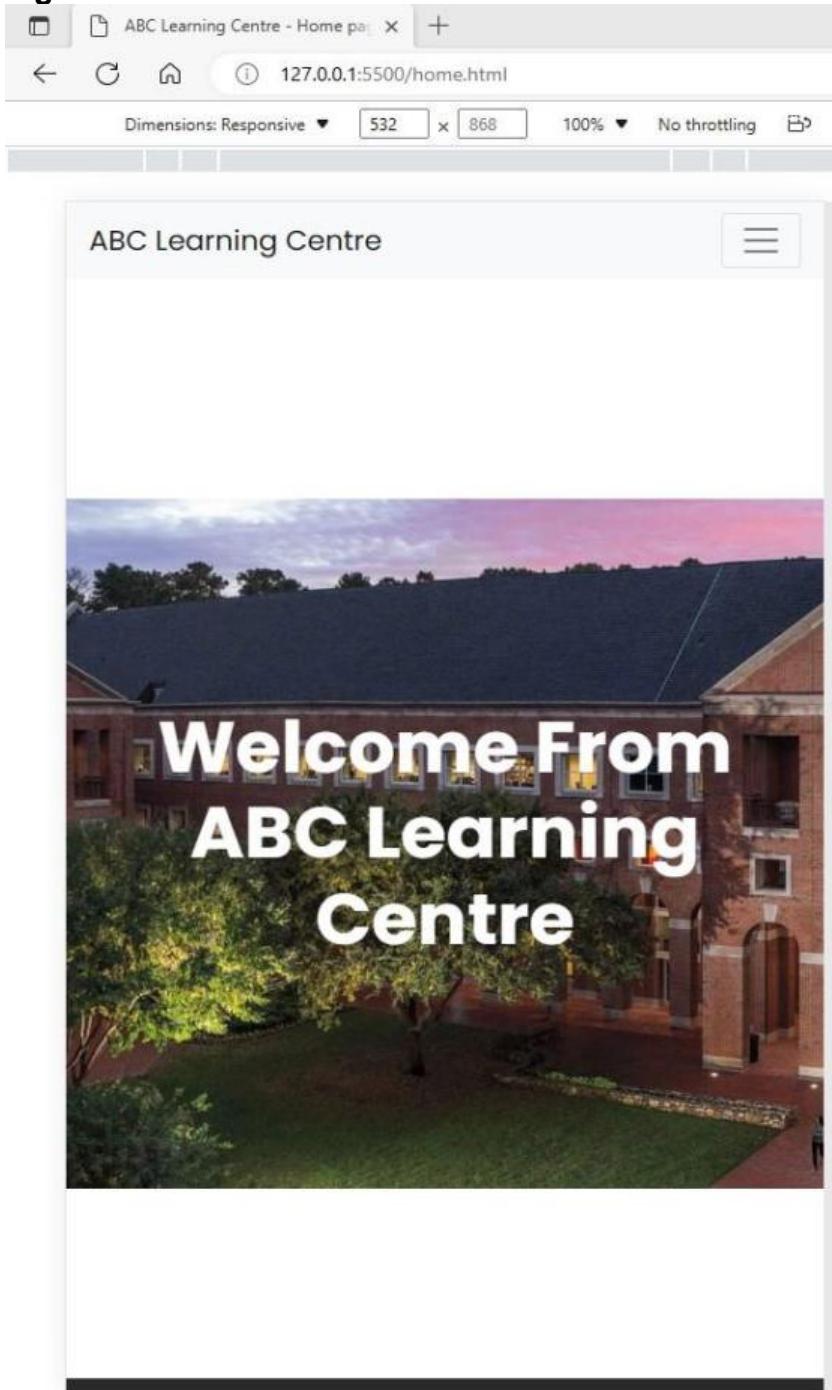


Fig2

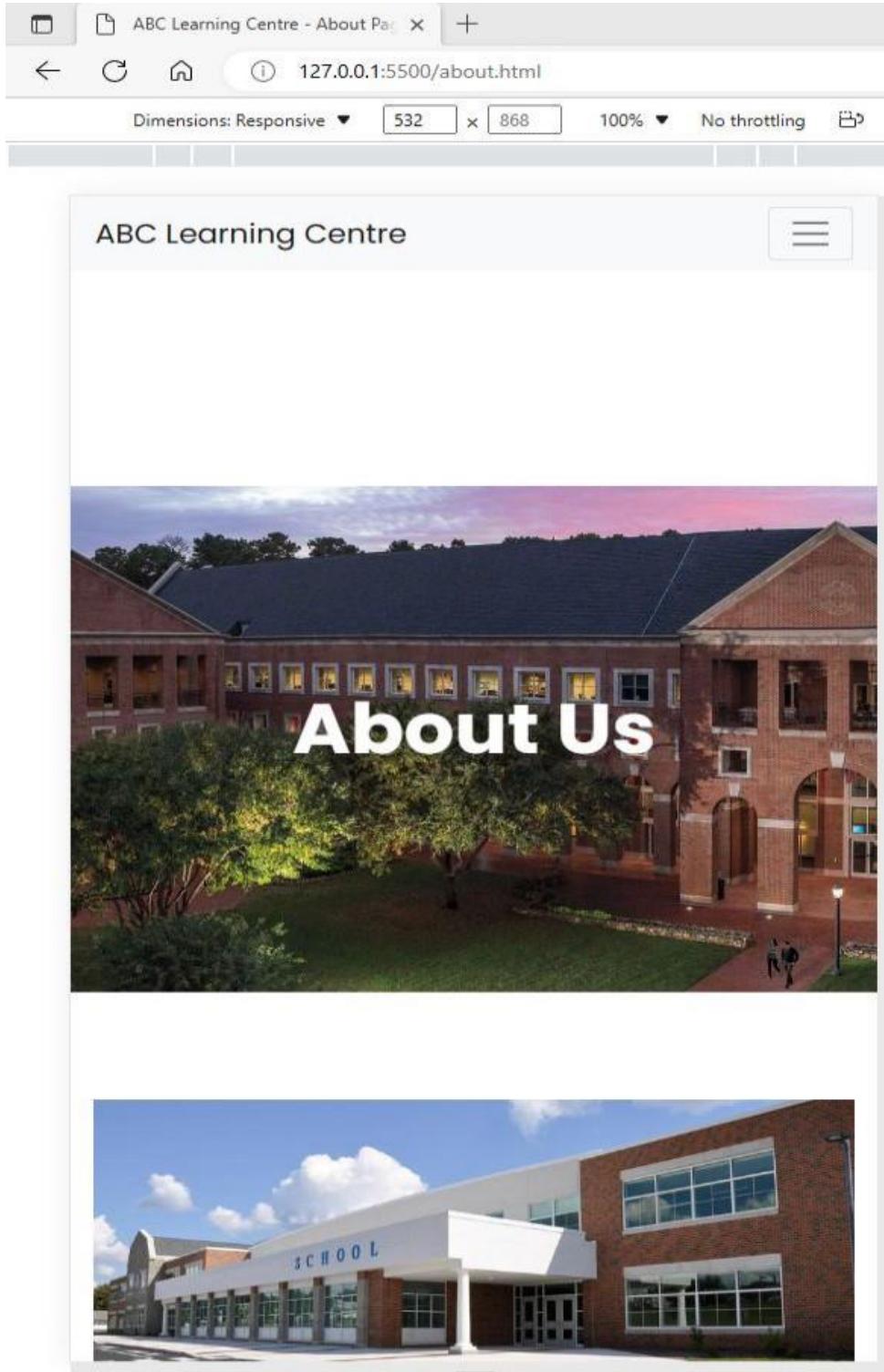


Fig3

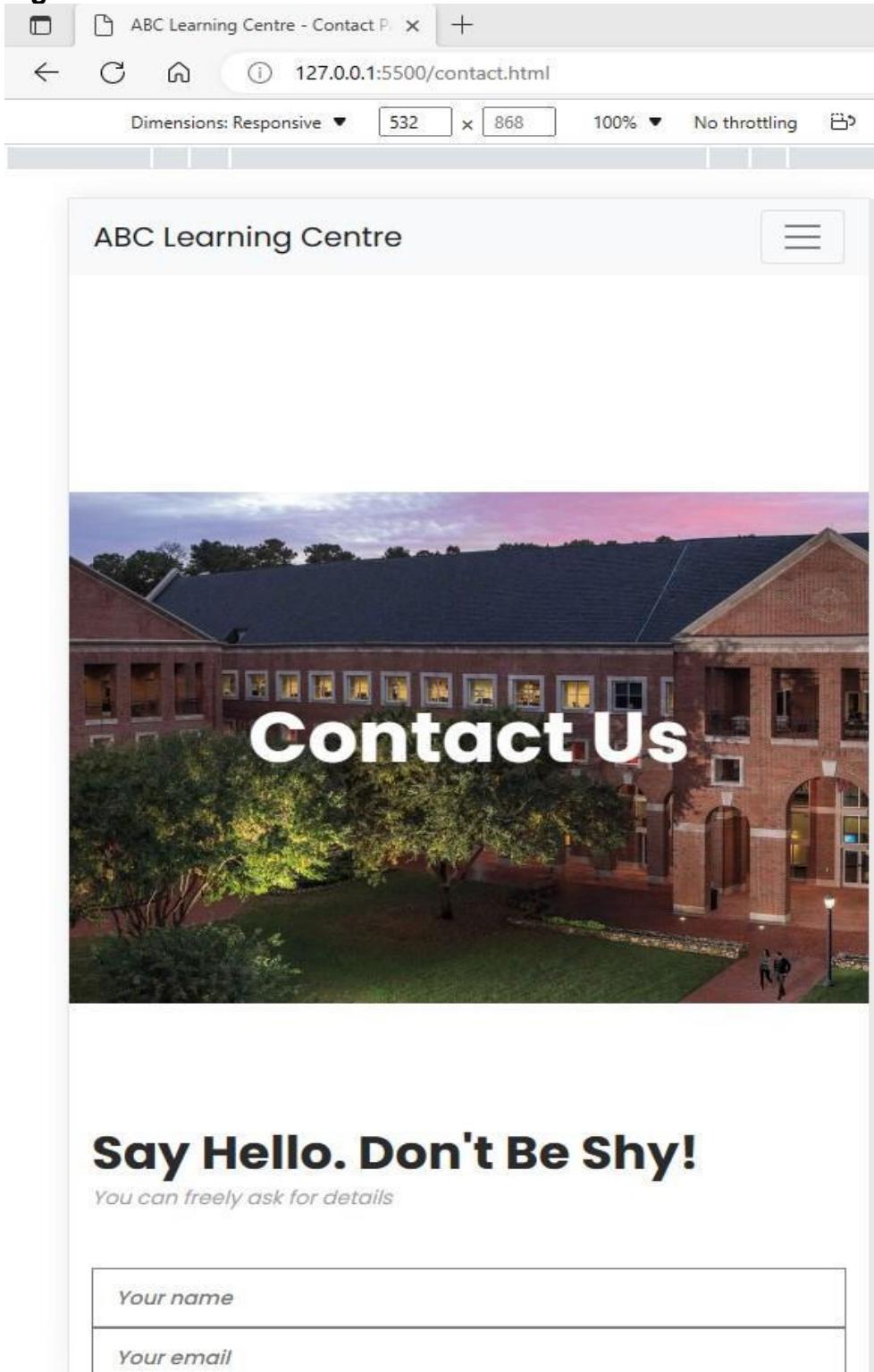


Fig4

The screenshot shows a web browser window with the title bar "ABC Learning Centre - course pa" and address bar "127.0.0.1:5500/course.html". The browser interface includes standard controls like back, forward, and home, along with dimensions (532 x 868), zoom (100%), and throttling settings.

The main content area displays the "ABC Learning Centre" logo at the top left. To its right is a three-line menu icon. Below the logo is a large image featuring a laptop screen displaying code snippets like "{ } </>" and "Java" in large white letters on a blue background.

Programming in Java

Java is a powerful general-purpose programming language.

[About Java Programming](#)

*Platform independent – We can write Java code in one platform (operating system) and run on another platform without any modification.

*Object-oriented – Java is an object-oriented language.

[Detail](#)

A large purple rectangular area below contains the ".NET" logo in white.

Programming in .Net

Fig5

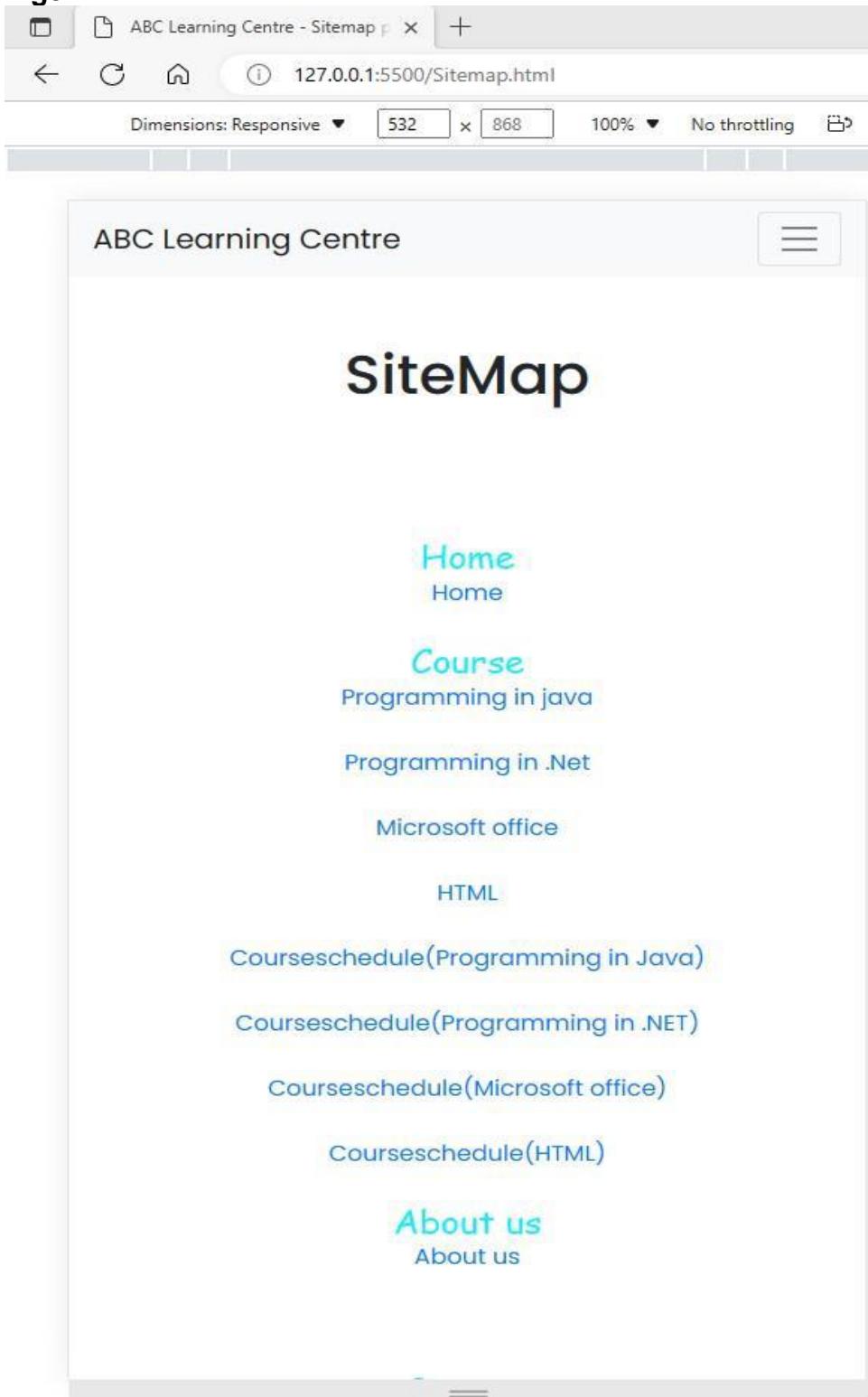


Fig6

The screenshot shows a web browser window with the following details:

- Title bar: ABC Learning Centre - Privacy & 127.0.0.1:5500/private.html
- Dimensions: Responsive 532 x 868 100% No throttling
- Content area:
 - Header: ABC Learning Centre with a three-line menu icon.
 - Image: A blurred background image of a person in a suit pointing towards the camera.
 - Section: **PRIVACY POLICY** with a lock icon.
 - Text: **Last updated September 29,2022**
 - Text: This is ABC Learning Center's Privacy Notice. This privacy policy informs you of additional information and rights you may have pursuant to certain applicable regulations related to privacy and data protection. If you are located in the European Union, the General Data Protection Regulation effective 25 May 2018 ("GDPR") applies to information about you ("Personal Data" under GDPR) that MOTH may collect. In that case, and under GDPR, you are defined as a "Data Subject," MOTH is a "Data Controller" for Personal Data that MOTH obtains and "Processes," and this policy explains your rights with respect to that Personal Data. Please read this policy carefully to understand our policies and practices regarding your information and how we will treat it. If you do not agree with our policies and practices, your only recourse is not to use our Site or Services. By accessing

Fig7

The screenshot shows a web browser window with the URL 127.0.0.1:5500/detail.html. The page title is "ABC Learning Centre". The main content is titled "Programming in Java". Below the title is a video thumbnail for a "Java Tutorial for BEGINNER TUTORIAL" featuring a man. The video player has a play button in the center. The text "What is Java?" is followed by a paragraph about Java's history and name change. Below this is another video thumbnail for a "JAVA PROGRAMMING COURSE" titled "Why take this Java Programming Course?". The text below the thumbnail describes Java as a high-level, class-based, object-oriented language designed for portability.

ABC Learning Centre

Programming in Java

Java Tutorial for... :

What is Java?

Java is a programming language and a platform. Java is a high level, robust, object-oriented and secure programming language.

Java was developed by Sun Microsystems (which is now the subsidiary of Oracle) in the year 1995. James Gosling is known as the father of Java.

Before Java, its name was Oak. Since Oak was already a registered company, so James Gosling and his team changed the name from Oak to Java.

Why take this Java Programming Course? :

Java is a high-level, class-based, object-oriented programming language that is designed to have as few implementation dependencies as possible.

It is a general-purpose programming language intended to let programmers write once, run anywhere (WORA), meaning that compiled

Fig8

The screenshot shows a web browser window with the following details:

- Title Bar:** ABC Learning Centre - detail3 pa
- Address Bar:** 127.0.0.1:5500/detail3.html
- Toolbar:** Dimensions: Responsive (532 x 868), 100%, No throttling

The main content area displays the following:

ABC Learning Centre

HTML

HTML, in full hypertext markup language, a formatting system for displaying material retrieved over the Internet.

Each retrieval unit is known as a Web page (from World Wide Web), and such pages frequently contain hypertext links that allow related pages to be retrieved.

The HyperText Markup Language or HTML is the standard markup language for documents designed to be displayed in a web browser.

It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript.

Web browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages.

HTML describes the structure of a web page semantically and originally included cues for the appearance of the document.

LEARN HTML

Fig9

The screenshot shows a web browser window titled "ABC Learning Centre - detail1 pa" with the URL "127.0.0.1:5500/detail1.html". The browser interface includes standard controls like back, forward, and search, along with dimensions set to responsive 532 x 868 at 100% and no throttling.

The main content area displays the "ABC Learning Centre" logo and a title "Programming in .NET". Below the title is a video player showing a thumbnail for ".Net - Introduction" featuring a person in a red shirt. The video player has a play button and a three-dot menu icon.

The text content discusses the .NET Framework:

NET Framework is a platform for building software. It is not a language itself. The primary (but not only) languages developers use to build software on the .NET Framework are C# and Visual Basic.

.NET is a free, cross-platform, open source developer platform for building many different types of applications.

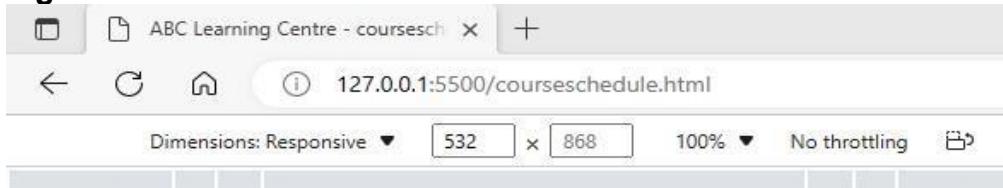
With .NET, you can use multiple languages, editors, and libraries to build for web, mobile, desktop, games, IoT, and more.

At the bottom of the page, there is a footer with the text "NET Framework is a registered trademark of Microsoft Corporation in the United States and/or other countries."

Fig10



Fig11



ABC Learning Centre

Time Table(Java)

Date	Day	MM Time	Course
31-Jan-23	Tue	9:00 - 10:30	HTML
31-Jan-23	Tue	10:30 - 11:30	CSS
31-Jan-23	Tue	Na	Na
31-Jan-23	Tue	12:30 - 1:30	Programming in Java
31-Jan-23	Tue	1:30 - 3:00	Microsoft Office
31-Jan-23	Tue	3:00 - 4:00	Programming in .NET
1-Jan-24	Wed	9:00 - 10:30	Microsoft Office
1-Jan-24	Wed	10:30 - 11:30	HTML
1-Jan-24	Wed	Na	Na
1-Jan-24	Wed	12:30 - 1:30	Programming in .NET
1-Jan-24	Wed	1:30 - 3:00	Programming in Java
1-Jan-24	Wed	3:00 - 4:00	CSS

Fig12

The screenshot shows a browser window with the URL 127.0.0.1:5500/courseschedule3.html. The page title is "ABC Learning Centre". The main content is titled "Time Table(HTML)". Below the title is a table showing course schedules:

Date	Day	MM Time	Course
31-Jan-23	Tue	9:00 – 10:30	HTML
31-Jan-23	Tue	10:30 – 11:30	CSS
31-Jan-23	Tue	Na	Na
31-Jan-23	Tue	12:30 – 1:30	Programming in Java
31-Jan-23	Tue	1:30 – 3:00	Microsoft Office
31-Jan-23	Tue	3:00 – 4:00	Programming in .NET
1-Jan-24	Wed	9:00 – 10:30	Microsoft Office
1-Jan-24	Wed	10:30 – 11:30	HTML
1-Jan-24	Wed	Na	Na
1-Jan-24	Wed	12:30 – 1:30	Programming in .NET
1-Jan-24	Wed	1:30 – 3:00	Programming in Java
1-Jan-24	Wed	3:00 – 4:00	CSS

Fig13

The screenshot shows a web browser window with the URL 127.0.0.1:5500/courseschedule1.html. The page title is "ABC Learning Centre". The main content is titled "Time Table(.NET)". Below the title is a table listing course schedules:

Date	Day	MM Time	Course
31-Jan-23	Tue	9:00 – 10:30	HTML
31-Jan-23	Tue	10:30 – 11:30	CSS
31-Jan-23	Tue	Na	Na
31-Jan-23	Tue	12:30 – 1:30	Programming in Java
31-Jan-23	Tue	1:30 – 3:00	Microsoft Office
31-Jan-23	Tue	3:00 – 4:00	Programming in .NET
1-Jan-24	Wed	9:00 – 10:30	Microsoft Office
1-Jan-24	Wed	10:30 – 11:30	HTML
1-Jan-24	Wed	Na	Na
1-Jan-24	Wed	12:30 – 1:30	Programming in .NET
1-Jan-24	Wed	1:30 – 3:00	Programming in Java
1-Jan-24	Wed	3:00 – 4:00	CSS

Fig14

The screenshot shows a web browser window with the URL 127.0.0.1:5500/courseschedule2.html. The page title is "ABC Learning Centre". The main content is titled "Time Table(Microsoft Office)". Below the title is a table listing course schedules:

Date	Day	MM Time	Course
31-Jan-23	Tue	9:00 - 10:30	HTML
31-Jan-23	Tue	10:30 - 11:30	CSS
31-Jan-23	Tue	Na	Na
31-Jan-23	Tue	12:30 - 1:30	Programming in Java
31-Jan-23	Tue	1:30 - 3:00	Microsoft Office
31-Jan-23	Tue	3:00 - 4:00	Programming in .NET
1-Jan-24	Wed	9:00 - 10:30	Microsoft Office
1-Jan-24	Wed	10:30 - 11:30	HTML
1-Jan-24	Wed	Na	Na
1-Jan-24	Wed	12:30 - 1:30	Programming in .NET
1-Jan-24	Wed	1:30 - 3:00	Programming in Java
1-Jan-24	Wed	3:00 - 4:00	CSS

My Website Folder link –

https://drive.google.com/drive/folders/19QE4dEgHywiYI87ny7bbidyH24XjQ96q?usp=share_link