

This week

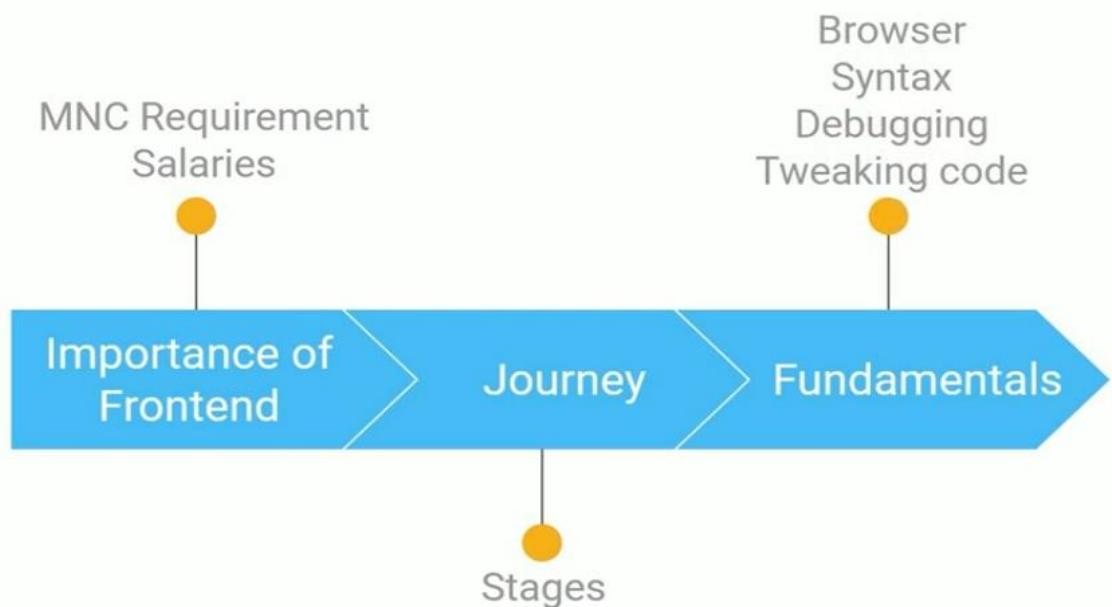
Program Schedule



Project - Static Website

Agenda

Software Development Fundamentals An Introduction



Great Demand

Importance of Frontend

- **Growing Demand**
For Frontend Developers
Across The Globe
- Any Big Company
Without a Web App ?



Huge Salaries



Flipkart (IN) ₹ 18,00,000 - ₹ 20,00,000



Amazon (IN) ₹ 23,00,000 - ₹ 25,00,000

Starting Salary

India - ₹ 6,00,000 per annum

Software Development Fundamentals



Browser is a very important in frontend

Must

Browser & URL

A **browser** is must
to open any website

URL - Uniform Resource Locator
(Address of the Website)

Example URLs:

- www.amazon.in
- www.flipkart.com
- www.onthegomodel.com



Chrome
(Recommended)



Safari



Firefox

Why Browser Very Imp in front end ?

Must

Browsers

Browser will understand only

- HTML
- CSS
- Java Script (JS), etc.



Rules of Language

Syntax



Example 1:

Missing just a } will change
the entire appearance of
the page

```
body {  
    color: green;  
    font-size: 16px;  
}  
  
p {  
    color: red;  
}
```

```
body {  
    color: green;  
    font-size: 16px;  
}  
  
p {  
    color: red;  
}
```

Undesired Behaviour (Error)

Bug

What are the differences
between expected and
current behaviours?

- Image is not displayed properly
- Size of 'Frontend Developer' text is as not expected



Expected Behaviour



Current Behaviour

Process of Fixing the Bug

Debugging Checklist

Checking

- ✓ HTML element's tag name
- ✓ HTML elements closed properly or not
- ✓ HTML attribute names and values
- ✓ CSS property names and values



Process of Fixing the Bug

Debugging

Checking

- ✓ Image element syntax
- ✓ Paragraph element syntax
- ✓ Heading element syntax

Ravi Teja
Frontend Developer

Undesired Behaviour (Error)

Bug

What are the differences?



Frontend Developer

- Static Websites
- Responsive Websites
- Dynamic Websites
- Mobile Applications

Expected Behaviour



Frontend Developer

- Static Websites
- Responsive Websites
- Dynamic Websites
- Mobile Applications

Current Behaviour

Tweaking The Code

Making small changes in the code to understand the software behaviour

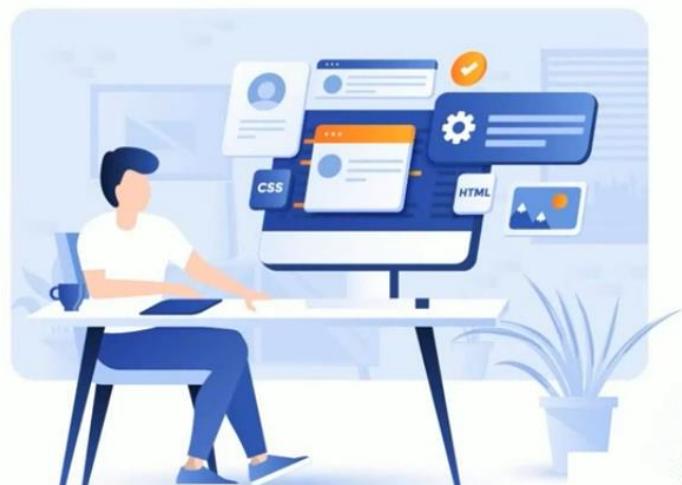
Ex: changing colors, images, texts, etc.



Frontend Developer

- Static Websites
- Responsive Websites
- Dynamic Websites
- Mobile Applications

Frontend First Project Static Website



Applications

Websites of MNCs

Examples

- Portfolio
- Ecommerce Applications
- Music Applications
- Restaurant Applications
- Tourist Place Applications
- Streaming Applications



Example

Tourism Website

The screenshot shows a tourism website. On the left, there's a large image of a beach with waves. Below it, a white box contains the word "Tourism" and the tagline "Plan your trip wherever you want to go". A blue "Get Started" button is at the bottom. To the right, a section titled "Favourite places" lists four travel destinations: "Forbidden City", "Rock Island", "Eiffel Tower", and "Maschio". Each entry includes a small image, a brief description, and a "View More" button. A "Detailed View" panel on the far right shows a large image of a building with a dome, identified as the "Forbidden City" in China.

Example

Music Beats Website

The screenshot shows a music website. The main image features a person playing a guitar. Below it, a green "Start" button is visible. To the right, a "Play Lists" section shows three categories: "Rock", "Orchestra", and "Jazz", each with a thumbnail and a brief description. A "Aashiqui 2" section on the right shows a video thumbnail of a singer performing, with the singer's name "ARJITH SINGH" and the song title "Tum Hi Ho...". A "Play Now" button is at the bottom right of this section.

Frontend

Tools and Technologies

- HTML
- CSS
- Amazon Web Services
 - S3
 - Cloudfront
 - Route 53



Key Takeaways

- **Browser & URL** - Must open any website
- **Syntax** - Rules of the Language
 - It's a small part of programming
- **Bug & Debugging** - Making your code work
 - Second important part of programming
- **Tweaking Code** - Getting insights of code



Next Session

Start developing your first static website

- Hero Section



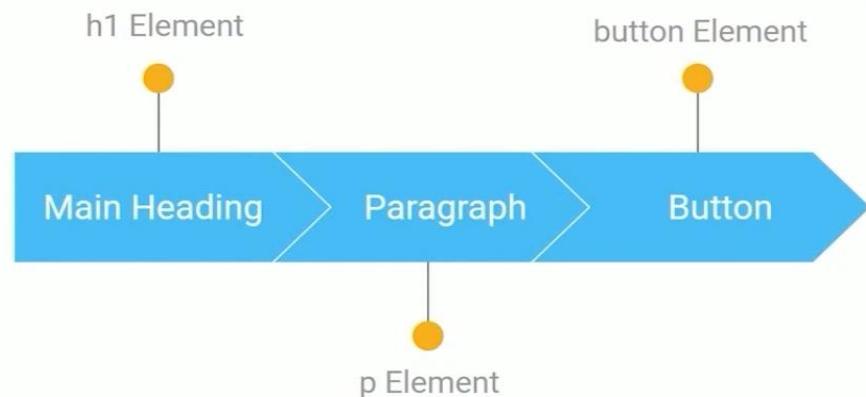
Tourism

Plan your trip wherever you want to go

[Get Started](#)

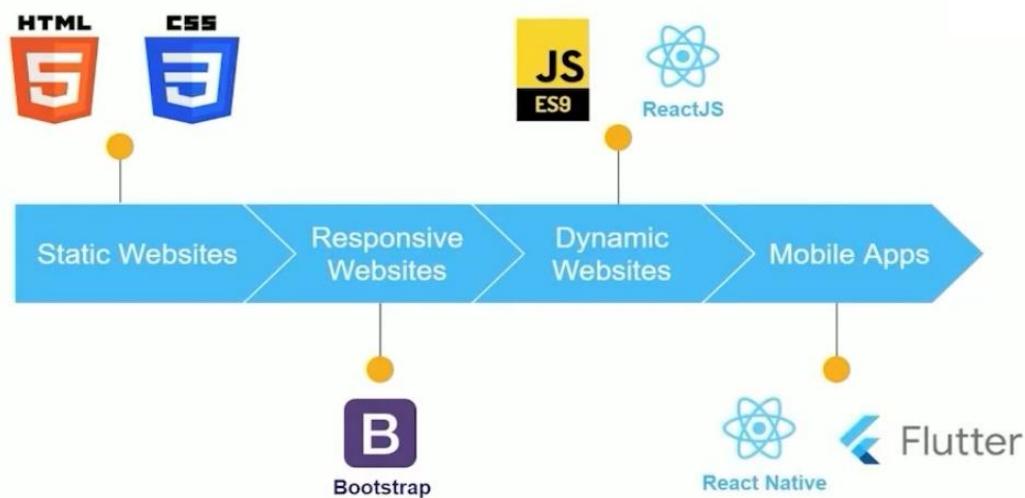
Agenda

HTML Syntax - Introduction



Frontend

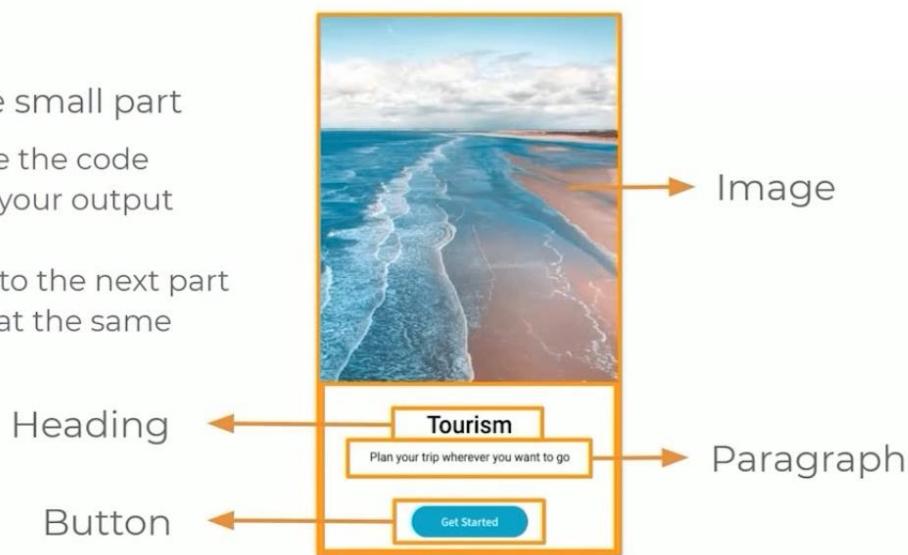
Journey



Fundamental in Programming

Breaking down into small parts

- Pick one small part
 - Write the code
 - Test your output
- Then, go to the next part and repeat the same



Compatibility

< 1% of you may face an issue

If you are facing any issues to view or access the features provided during the session, kindly check your **device** and **software compatibility**

Be up to date with software versions



Google Chrome (Recommended)



Syntax

HTML Basic Structure

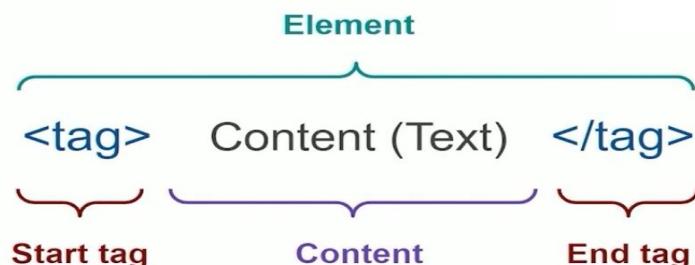
```
<!DOCTYPE html>
<html>
  <head></head>
  <body>
    Your code goes here
  </body>
</html>
```

How to add
Heading in HTML



Syntax

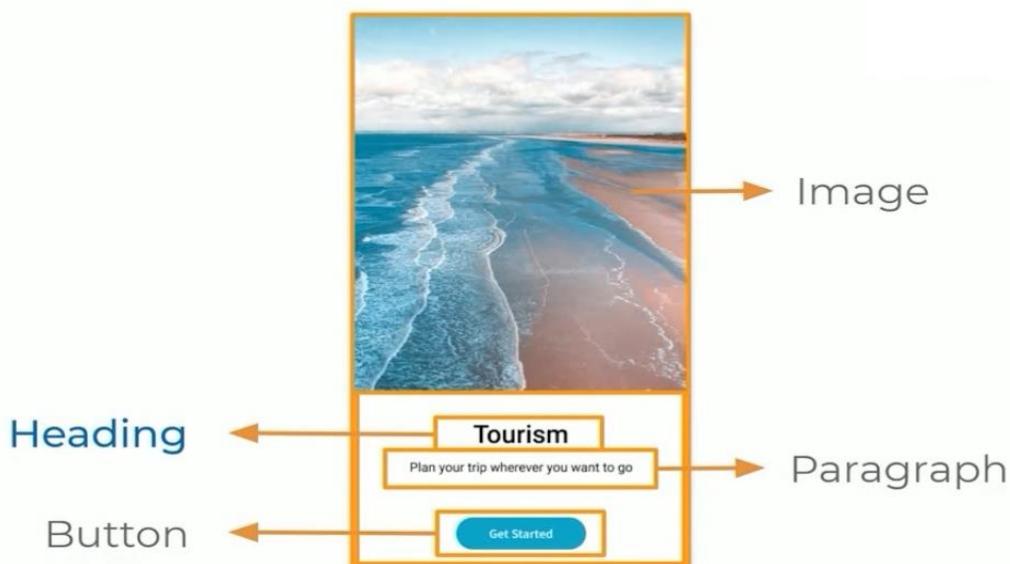
HTML Element



HTML Element

Main Heading

377143



HTML Element

Main Heading

Element

<h1> Tourism </h1>

Start tag

Content

End tag

Which of the following is the start tag of the HTML heading element?

- A: <h1>
- B: <h>
- C: <heading>
- D: <head>



Fill the blank with appropriate syntax

<h1>Tourism<__>

- A: |h1
- B: h1
- C: //h1
- D: /h1



HTML Element

Paragraph

Element

<p> Plan your trip wherever you want to go **</p>**

Start tag

Content

End tag

Which of the following is
the paragraph element?

- A. <paragraph>You progress the nation follows</paragraph>
- B. <p>You progress the nation follows</p>
- C. <p1>You progress the nation follows</p1>
- D. <para>You progress the nation follows</para>



HTML Element

Button

Let's Add
A Button



HTML Element

Button

Element

<button> Get Started **</button>**

Start tag

Button text

End tag

Key Takeaways

- HTML Syntax
- HTML Basic Structure
- HTML Elements
 - Heading
 - Paragraph
 - Button

