

Advanced Web Technology

Kiran Waghmare

Session 1



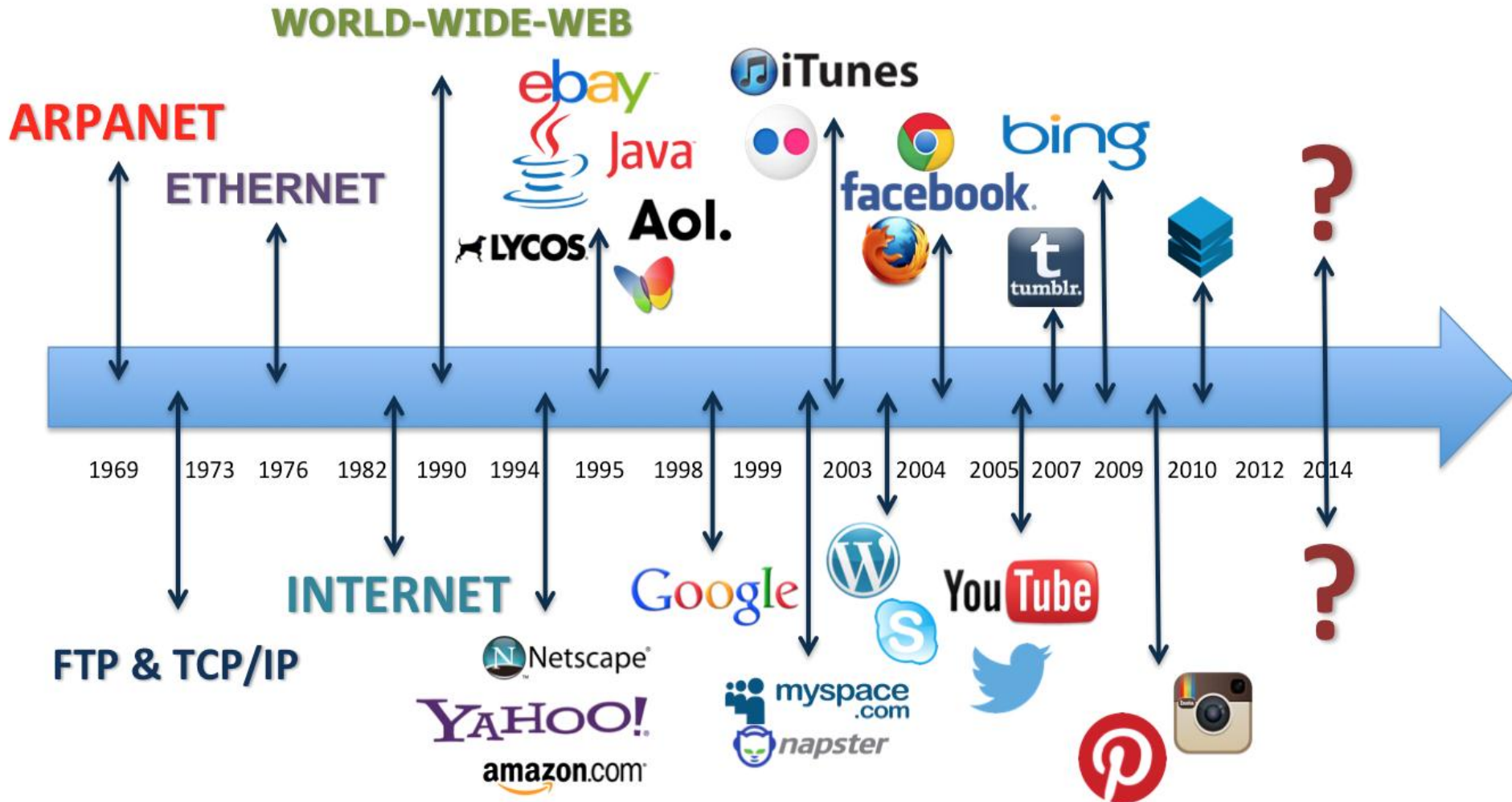


Introduction



DBCE: WT : Kiran Wagl

History of Internet



Static Website

- Easy to build.
- Cheap to host.
- Fixed Content



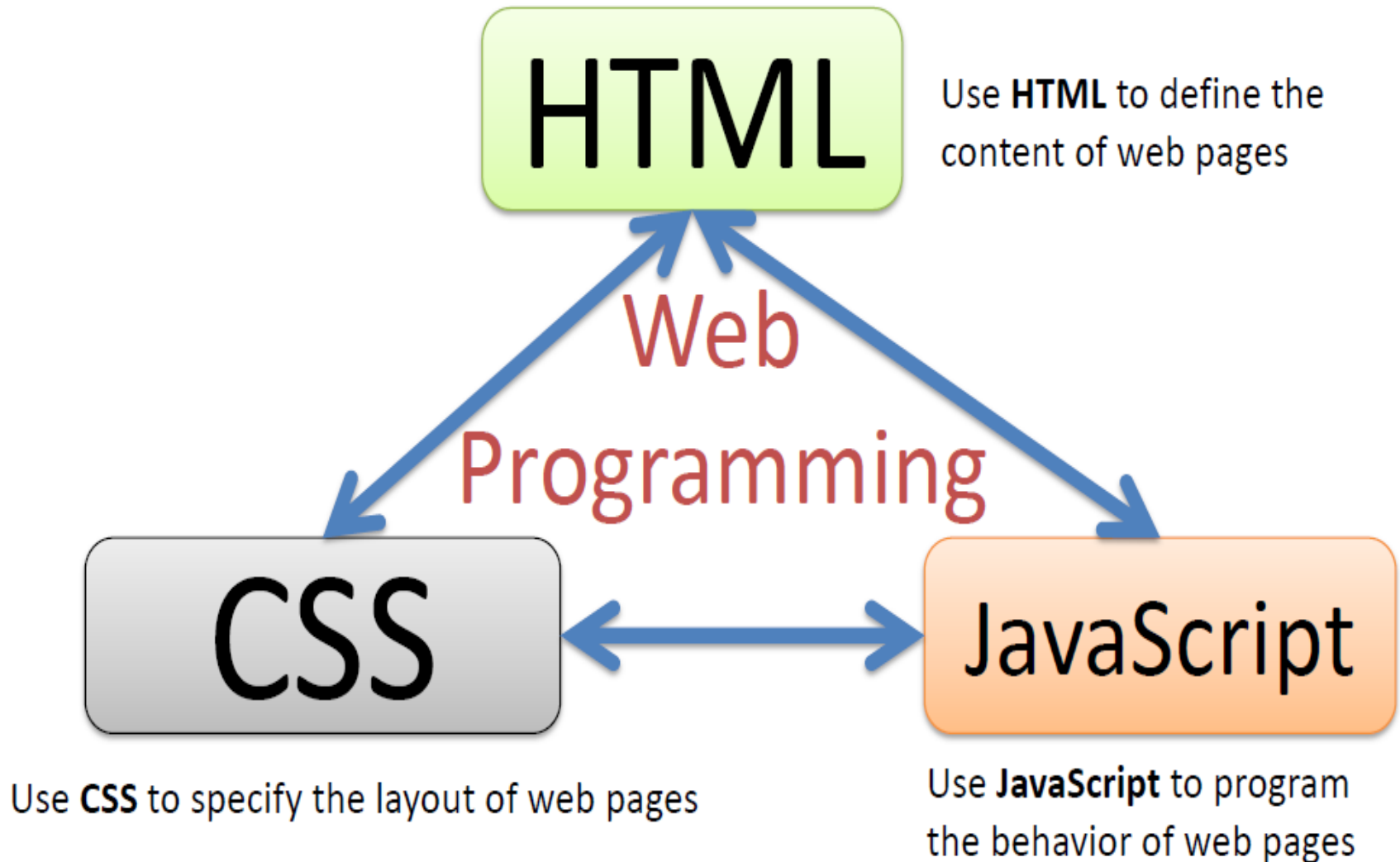
Dynamic Website

- Little Hard to build.
- Costly than Static website to host.
- Easily edit the content by their own.





The Web Programming Triangle



Web Browser

- **Browser:**

- Are applications
- Provide a GUI to the user
- Interpret HTML
- Execute JavaScript
- Controls your sessions with the server(cookies)
- Stores pages for fast return(cache)
- Ensures Security
- Provide Navigation from one website to another

The Web Browser



Edge



Chrome



Opera



Firefox



Safari

Difference between Internet and WWW

- **Internet**
- Collection of networks that connects millions of businesses, government agencies, educational institutions, and individuals.
- **WWW**
- The means we use to access information over the internet.
 - different communication protocols
 - Special link (hyperlink) that enables users to jump from one place to another on the web.

Web Architecture



Edge



Chrome



Firefox



Opera



Safari

Client

Web Browser

HTML

CSS

JavaScript

Server-side

ASP.NET

PHP

Web Server

Database



HTML5

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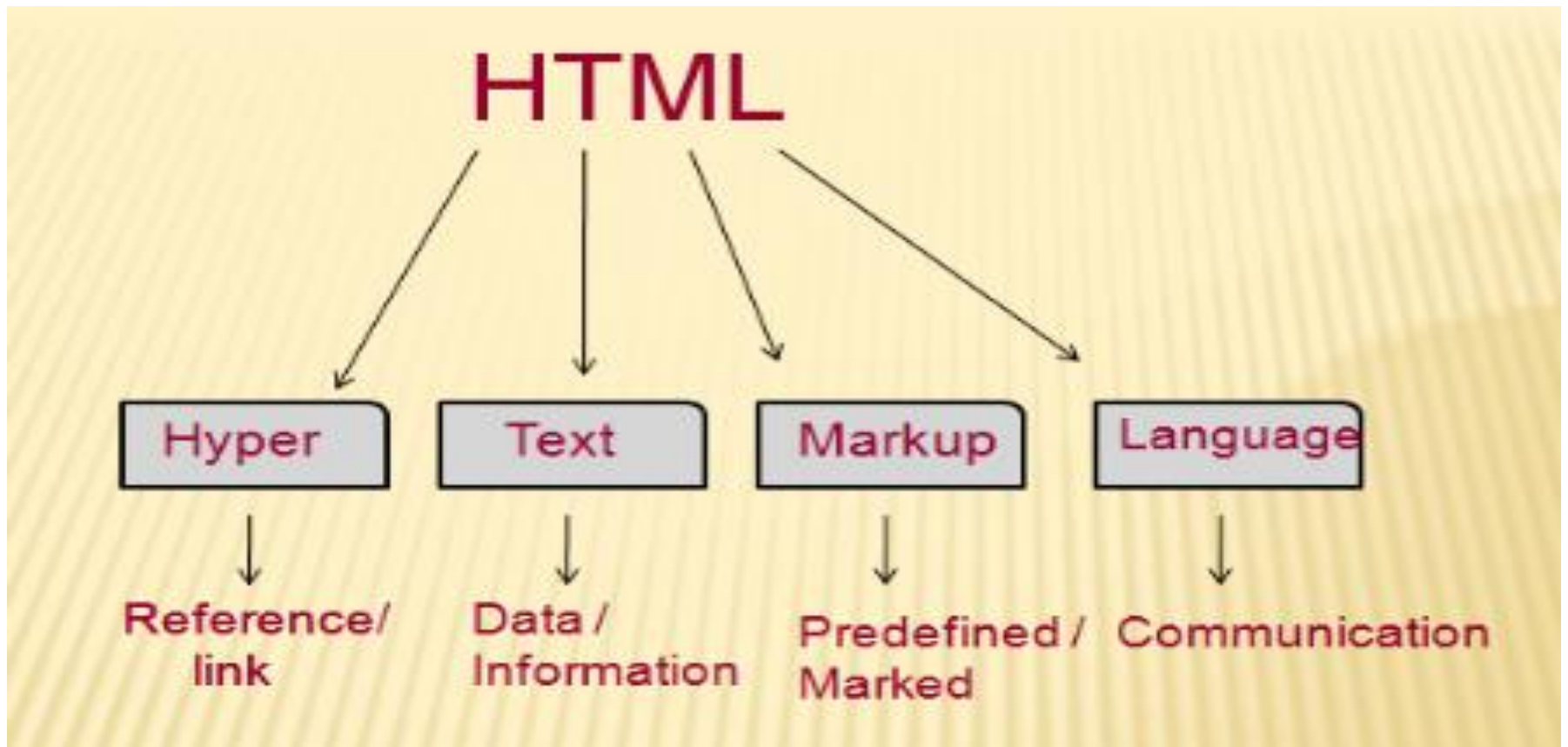
Session 2



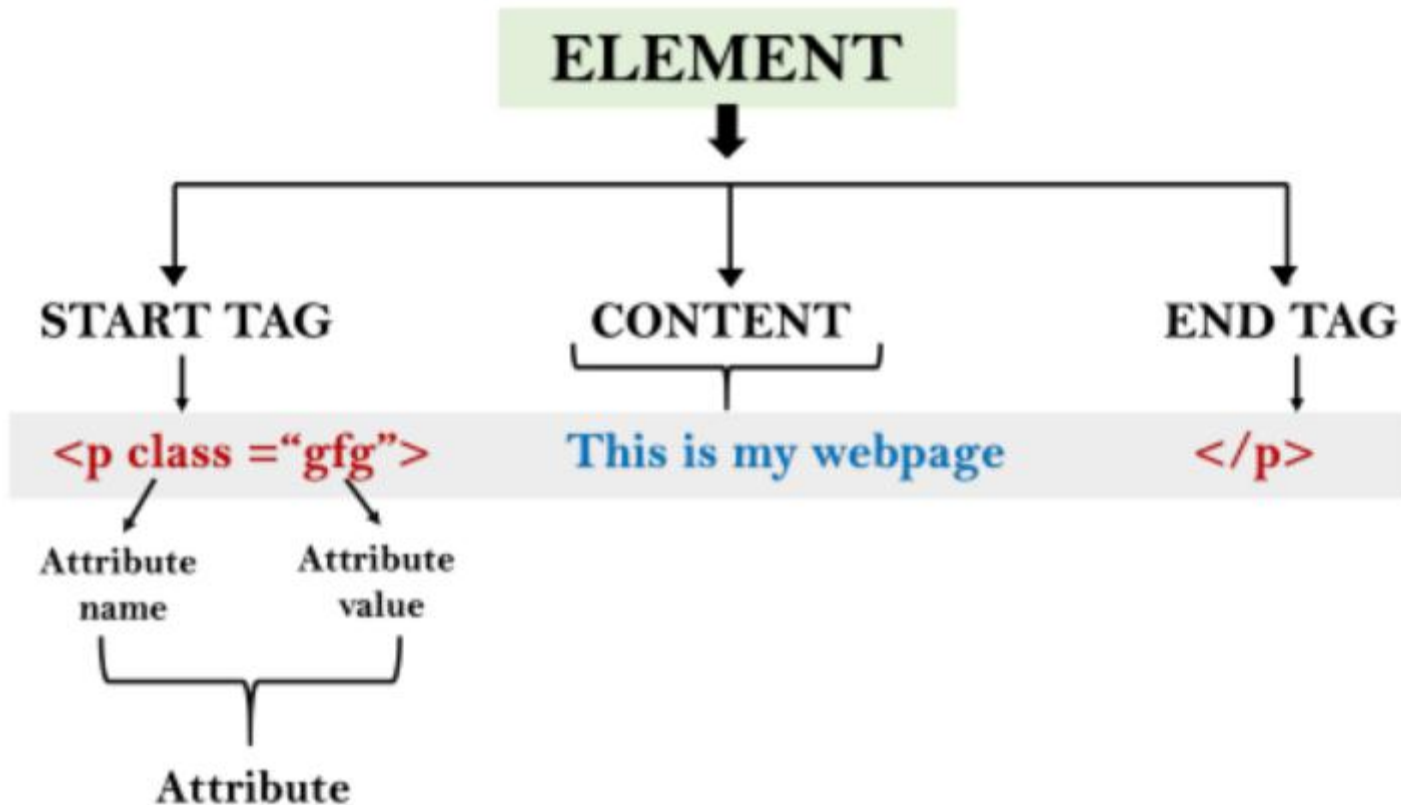
LEARN HTML5

hyper text markup language

HTML



Building blocks of HTML



Building blocks of HTML

- Tags:**

- An HTML tag surrounds the content and apply meaning to it. It is written between < and > brackets.

- Attribute:**

- An attribute in HTML provides extra information about the element, and it is applied within the start tag. An HTML attribute contains two fields: name & value.

Syntax:

<tag name **attribute_name**= " **attr_value**"> content **</ tag** name>

- Elements:** An HTML element is an individual component of an HTML file. In an HTML file, everything written within tags are termed as HTML elements.

Program 1: Basic elements of HTML

```
<!DOCTYPE html>  
<html>  
  <head>  
    <title>The basic building blocks of HTML</title>  
  </head>  
  <body>  
    </body>  
</html>
```

Basic Tags in HTML

| Tag | Description |
|--|--|
| <u><html></u> | Defines the root of an HTML document |
| <u><body></u> | Defines the document's body |
| <u><head></u> | A container for all the head elements (title, scripts, styles, meta information, and more) |
| <u><h1></u> to <u><h6></u> | Defines HTML headings |
| <u><hr></u> | Defines a thematic change in the content |

Interview **Rio Carraeff**

Vevo revolutionary

Universal's former mobile chief is leading the music industry's fight to shake up online video. He reveals his frustration with MTV, and says why no one need own music if his site succeeds. Interview by **Mark Sweeney**

I Rio Carraeff was once, perhaps only for a few days, the most powerful man in the music business. He was the former chief executive of Universal Music, the world's largest music company, and he was the man who had taken the music business to the next level. He was the man who had taken the music business to the next level. He was the man who had taken the music business to the next level.



Music revolution... Rio Carraeff says 'if MTV was Bambi'

We are about access; it is the only scalable model for the music industry; the question is, how do you do that and make money?

Free access

Carraeff's business model is all about providing free access to the music industry. He is the only man in the music business who has taken the music business to the next level. He is the only man in the music business who has taken the music business to the next level.

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Curriculum vitae

Age: 35
Education: Did not go to university, started his own business

Career:
2004-2006: Chief executive of Universal Music Group
2006-2007: Chief executive of Universal Music Group
2007-2008: Chief executive of Universal Music Group

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Paragraph Tags

| Tag | Description |
|--------------------|-----------------------------|
| <u><p></u> | Defines a paragraph |
| <u> </u> | Inserts a single line break |
| <u><pre></u> | Defines pre-formatted text |

HTML Styling

| Tag | Description |
|----------------------|--|
| <u><style></u> | Defines style information for an HTML document |
| <u><link></u> | Defines a link between a document and an external resource |

Text formatting tags

| Tag | Description |
|-----------------------|---------------------------------|
| <u></u> | Defines bold text |
| <u></u> | Defines emphasized text |
| <u><i></u> | Defines italic text |
| <u><small></u> | Defines smaller text |
| <u></u> | Defines important text |
| <u><sub></u> | Defines subscripted text |
| <u><sup></u> | Defines superscripted text |
| <u><ins></u> | Defines inserted text |
| <u></u> | Defines deleted text |
| <u><mark></u> | Defines marked/highlighted text |