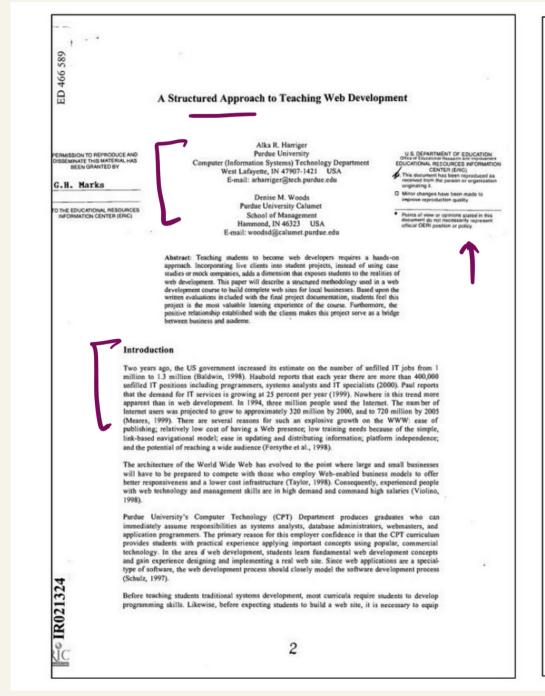


What are Semantic Tags?

Writing semantic markup means understanding the hierarchy of your content and how both users and machines will read it.



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Why Undergraduates Should Learn Web Development and Design Foundatons with HTML5

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Web resources may be any type of downloaded media, but web pages are hypertext media that have been designed in Hypertext Markup Language (HTML). HTML is the standard markup language for documents formatted to be displayed in a web browser. It can be served by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript. Web pages may carry images, video, audio, and

HTML5 is the latest HTML standard, is being used widely design web pages that are rich in content. The array of new graphics and multimedia elements that it supports and the rich semantics, it uses eliminates the need for any additional plugins to display content. HTML5 is purely a set of new atures made obtainable for developing web applications. It is particularly designed to improve the language with much better support for multimedia and server communication, making a web developer's job much easier [3]. With the development of HTML5 it has wide range of applications in multimedia direction. It can play video and audio and supports animations from the browser without the need of proprietary technologies [4].

software components, that is widely usable across many platforms. HTML5 expresses the structure of a web page

emantically and originally for the display of the document

Undergraduate students obtain creative knowledge and important skills by studying HTML5 in foundation of web programming and the principles underlying of HTML5 design and implementation. HTML 5 is the new and stylish standard for HTML. These topics build up students' clasp of the power of creation, help students and improve their design skills. Understanding w programming thus helps students in ways key to many profession paths and movies and can also be used to build convoluted web applications and also carries cross-platform. HTML5 standard novices the development of real-time collaborations in web browsers, which conducts to less work for web

KEYWORDS: Web, users, HTML, HTML5 features

INTRODUCTION

Web development is the work concerned in developing a web site for the World Wide Web. Web development can set from developing a simple single static page of plain text to complex web-based web applications, electronic business, and social network services. Web is an information system commonly knowns world wide web (www) where documents and other web resources are recognized by Uniform Resource Locators (URLs, such as https://www.sample.com/), which may be interlinked by hypertext, and are available over public (Internet) and private (Intranet and Extranet).

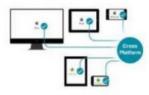
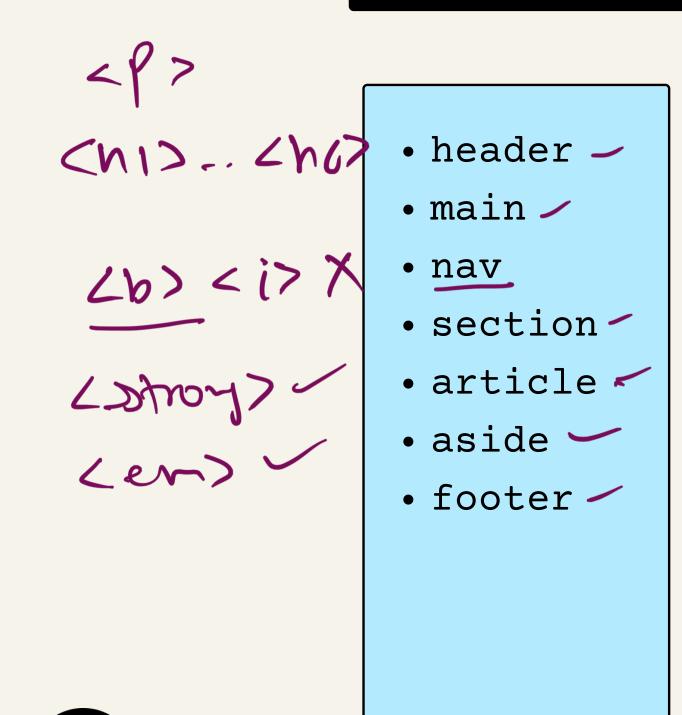


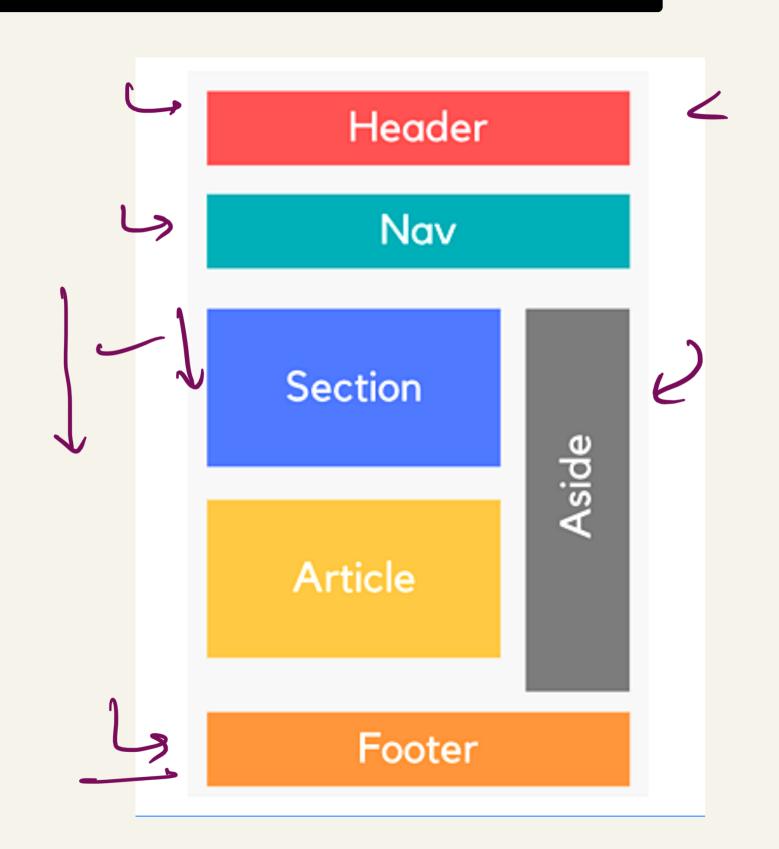
Fig1 HTML5 Cross-Platform

HTML5 carries cross-platform, designed to display web pages on a Personal Computer (PC), or a Tablet, a Smartphone or a IOS phone and Android phone (Fig-1). HTML is invented by Tim Berners-Lee, first web page published August 6, 1991. It is intended as a standard way to structuring documents and standardized by W3C (World Wide Web Consortium - pack of super nerds). HTML5 is a new standard for HTML. The language used in practice uses of technology change how we model and design web pages. The rise of the Internet and the web, for example, undamentally transformed the way many types of systems are designed, implemented, and deployed.



Most Commonly used Semantic Tags







Why you should use Semantic Tags?

→: Accessibility

a. With semantic markup, both users and machines will be able to understand the content structure, the relationship among page elements, and the nature of content inside an element. In addition, making web applications accessible will ensure equal access for people with disabilities and benefit everyone by providing more options to customize their experience.

2. Search Engine Optimization

a. Search engine crawlers are the most important part when considering your web page's SEO. Semantic markup provides better instructions for these crawlers when scanning pages for their content; it tells them what important content is on the page. The clarity you communicate with search engines by adding semantic markup ensures that the right pages are delivered for the right queries.

-3. Maintainability

a. Semantic markup is easier to update and change than web pages that contain a great deal of presentation markup. Semantic markup makes it easier to change and update the appearance of the content whenever needed and saves lots of time for developers.

