

# 95-881

## Web Application Development

### Web Page

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**Partner(s):** None

**Lab:** HW1 Web page

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**AI System:** ChatGPT

**Images:** Unsplash, <https://unsplash.com/license>

**Chat Log:** <https://chatgpt.com/share/679818d7-bfcc-8000-8296-cea23bb56c1f>

My web page has one single HTML file, ebooks.html. The URL explains which file is being requested.

<https://dmescoba.github.io/web-app-dev-hw-1/hw1-web-page/ebooks.html>

Https is the protocol for how to transfer the file. Since I am using GitHub pages, there is no www as the name of the web server machine. dmescoba.github.io is the domain. Inside a folder called web-app-dev-hw-1, there is another folder called hw1-web-page, that then has ebooks.html stored inside of it, which is the HTML file that is being displayed. I have chosen this organizational structure so that I can store all of my homeworks on <https://dmescoba.github.io/web-app-dev-hw-1/>.

For this HTML file, the client opens a connection to the server. The client then sends the request to the server. The server sends the HTML file and embedded images. The server then closes the connection and the client stores the file in a cache folder locally. I did not name the file index.html because that is what I would choose to name the homepage.

For the HTML, there is the meta content that is stored in between the <head> <head/> tags, including keywords for SEO and advertising engine purposes. I have included “ebooks” as a keyword. Everything within the <body> <body/> tags is visible to the user, except for any HTML comments. All content written within the <html> <html/> tags describes the HTML document and the <title> <title/> tags provide a title for the document that is shown to the user. <h1> <h1/> is used to indicate the highest level of heading and <p> <p/> is for paragraphs. I chose not to use any special elements, such as <b> so that the styling can more easily be manipulated with JavaScript later on.

For the images, I have chosen to use relative links because these are images that are stored on my device locally. I am using the src attribute of the img tag to describe the file path relative to the ebooks.html file. These images are stored in a folder that is at the same level as the HTML file. The / indicates that the images are inside of the imgs folder. The images also have alt tags for SEO and advertising engine purposes to describe the content of my website, and also because it is best practice for accessibility purposes. All alt tags mention ebooks. I have chosen to make my website liquid because it is not a vanity page. This means that text will wrap. I have also used an inline style to make the images scale appropriately as well so that it does not become a static web page with a scroll bar.