



# NUST

---

Faculty of Computing and Informatics

DEPARTMENT OF COMPUTER SCIENCE

Private Bag 13388, 13 Storch Street, Windhoek, Namibia

Tel: +264-(0)61-207-2054 Fax: +264-(0)61-207-9054

Subject Code:	WAD621S
Subject:	Web Application Development

## Front-end Web Development Lab 1

---

*This lab equips students with fundamental skills needed to start the front-end web development journey. Apart from the basic setup required, students will learn HTML basics.*

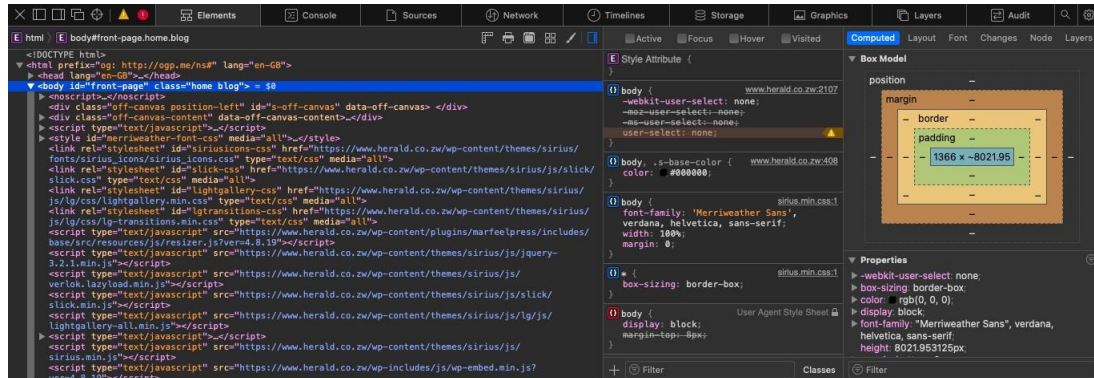
---

1. Write HTML code to develop a web page having the background in blue and title “My First Page” in any other color. Save it as **home.html**
2. Create a HTML document that contains your details: name, age, telephone, address, student number. Save it as **contactdetails.html**
3. Write HTML code to design a page containing a text in a paragraph of your choice, provide a suitable heading style for your page. Save it as **aboutMe.html**
4. Create an HTML document which looks close to the one below:

In addition, your documents should have ALL features listed below:

- (a) a title of the page in large font;
- (b) pic with brief descriptive text;
- (c) a clickable link to an online web page of your choice;
- (d) a banner ad section that loads a different ad when clicked, or when a mouse is hovered on top of it;
- (e) a footnote specifying the email of the developer and the year;
- (f) an embedded video of one of your favourite songs with some brief descriptive text
- (g) create a navigation menu to enable moving to each of the pages you created for your assignment.

5. Apart from learning HTML, CSS, and JS, it is essential to learn developer tools that come with most browsers. Such tools help inspect different aspects of web pages. Depending on the browser you are using, when opened you should have something like this:



- (a) Explore the DOM Inspector and to see how your document look like at runtime by navigating through different elements.
- (b) Highlight an element and delete it. What are the effects on your page?
- (c) Uncheck some of the CSS styles in the CSS editor and observe the effects on your document. You can even modify the values.
- (d) Lastly, how do you debug JS on a browser using such tools? Discuss the findings with a colleague.

This paper consists of 2 pages (including the front page).