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Assessment Submission Form

Student Number (If this is group work, please include the student numbers of all group participants)	GH1027106
Assessment Title	Computer Science lab Report.
Module Code	B201
Module Title	Computer Science lab
Module Tutor	Mehran Monavari.
Date Submitted	3rd July 2024

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Signed.....Mutavu Sonia Nyagatare..... Date 3rd July 2024.....

Mutavu Sonia Nyagatare

June 29, 2024

Computer Science Lab Report

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Project Name / Engagement ID	Computer Science lab final report B201

Contents

1 Introduction

This report is about the different tools both editing and creating tools that we have used during our course this semester like the use of overleaf tools like latex ,Web creating and designing using Html and CSS designs AS well as different Git and Github tool commands that we have learnt to use through the linux shell terminal and as practise of all these tools we have used them to creat different documents like portifolios and Circulum vitaes (cv) .

2 Body

2.1 Latex tool

is a tool for typesetting professional-looking documents. However, LaTeX's mode of operation is quite different to many other document-production applications you may have used, such as Microsoft Word or LibreOffice Writer, those "WYSIWYG" tools provide users with an interactive page into which they type and edit their text and apply various forms of styling. LaTeX works very differently instead, your document is a plain text file interspersed with LaTeX commands used to express the desired (typeset) results(overleaf,2024).And with the help of overleaf latex you can access different documents templates of different documents ,where i have created my own personal Cv with the help of the DESIGN YOUR CV template in latex it has a structure where the sections in my cv are dispalyed on both the left and right side of the document and with the help of the (begin(minipage)left or right section)my page is divided into half showing the sections on both sides of the page. With the rest of the detailed information about the sections arranged with the help of the (item) command.My latex cv can be viewed via the link.Cv latex

2.2 HTML and CSS tools

HTML is the standard markup language for creating Web pages.The <!DOCTYPE html> declaration defines that this document is an HTML5 document the <html> element is the root element of an HTML page,the <head> element contains meta information about the HTML page,the <title> element specifies a title for the HTML page Which is shown in the browser's title bar or in the page's tab.The
 element defines the document's body it is a container for all the visible contents Such as headings, paragraphs, images, hyperlinks, tables, lists, etc.The <h1> element defines a large heading The <p> element defines a paragraph(W3Schools,2024).So with my own created html portifolio i implemented all these commands where i used <h1> element to write my heading ,And the title for each section i used the <h3> element and within the body i used the<b>element to make some of the important sub headings bold.I also styled my html webpage with different colors with the help of Css colors and by using the <style> element i did the <h3,h1 style> command i was able to make both my background,titles all into different colors to make it more representable.

I was also able to insert my passport picture with the help of the <img> element.So with the help of these tools i was able to design a web page of my own personal cv and style it as i wanted to.The link to by webpage. Html Webpage

2.3 Git and Github tools

Git is a version of a control system which, it helps track code changes,who made the changes and also is used in Code collaboration.And with the help of the linux shell terminal you are able to make commands like adding files to your Github repositories ,changing file names and with the git commit command it updates all changes that have been made in your file to your repository file(W3Schools,2024).During the course i have created a github account and made a repository where i have posted my html created webpage my latex Cv both codes and Pdf version and also my latex created final report .The link to my github repository. SoniaN12.github.io

3 Conclusion

To sum up the tools that have been mentioned above have been all put into use and practise by myself where i was able to create my own portifolio webpage,my well structured latex cv and create a github repository where i can share and post all my work for anyone with my github repository link to view,and i can say i have found them very useful and will continue to implement them in my continous future and though i have some areas of improvement like with git commands i shall continue to work to educate myself and improve them.

4 Bibliography

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