COMPUTER SCIENCE ECOSYSTEM

GROUP TASK ASSIGNMENT

GROUP SIX (6) (FAITH & FARIDA)

LZIFC005L

11TH JULY 2024

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WEB-BASED DATA MANAGEMENT SYSTEM

This project aimed to equip foundation students with practical skills in Front-End Web Development, document typesetting, and data management. Our team, consisting of Faith Mulama and Farida Selima, we collaboratively tackled tasks involving JavaScript, LaTeX, XML, HTML/CSS, and JavaScript.

First of we thoroughly analysed the project to comprehend it.

CREATION OF WEB PAGE

By the use of HTML, CSS styling, and JavaScript, we created and implemented a webpage with a form. The form was for student registration where it took in the details of the students.

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| No. | Column | Section | View | Column | No. |
```

Figure 1: HTML source code

CSS

To enhance visual appeal and capture reader's attention, I employed several styling elements to create a visually pleasing and readable webpage.

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Figure 2: CSS source code

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Figure 3: JavaScript source code

LaTeX DOCUMENT

We collaboratively generated a LaTeX document that detailed the project scope. The document was structured into sections focusing on specific aspects of the project.

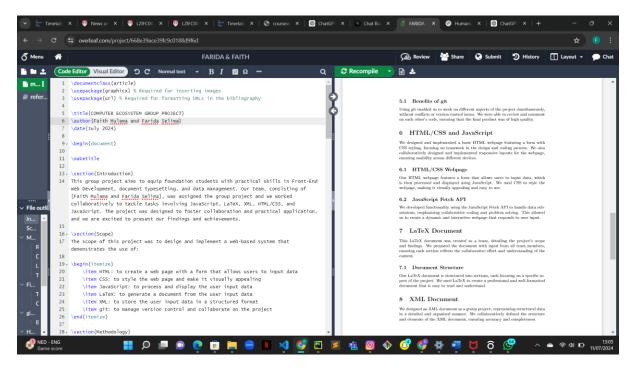
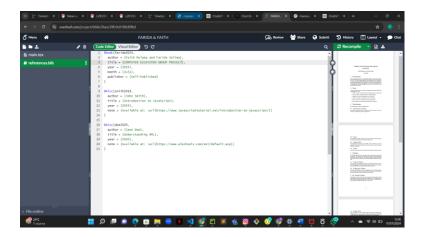


Figure 4: LaTeX document

Bib Tex

We created a reference bibliography on overleaf. This showed that we had written the work ourselves and we referenced some of the topics.



XML DOCUMENT

We collaboratively keyed in designing the XML document to represent structured data effectively. The defined structure and elements ensured data accuracy and completeness.

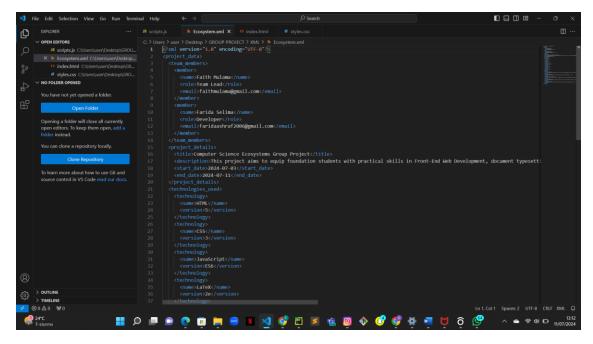


Figure 5: XML document

VERSION CONTROL WITH GITHUB

After we finished all the tasks assigned, we committed all the project files to a git hub repository ensuring version control and facilitating team collaboration where it allowed us to track changes and updates.

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Figure 6: Git