

# UGANDA TECHNOLOGY AND MANAGEMENT UNIVERSITY

## WEEKLY JOURNAL REPORT

MUHWEZI ASAPH

SEP23/BSC/3567U/F

### BACHELOR OF SCIENCE COMPUTER SCIENCE

WEEK 1: 7<sup>th</sup>/JUNE/2025 – 12<sup>th</sup> /June/2025

1.	What have been your success/ accomplishments?	<ul style="list-style-type: none"><li>• Successfully learned and applied foundational CSS styling techniques including text formatting, color schemes, spacing, and layout.</li><li>• Styled a responsive personal profile webpage created in week 1 as a mini project using flexbox and positioning concepts.</li><li>• Gained practical skills in linking external stylesheets and managing folder structure for frontend projects.</li><li>• Understood and implemented box model, positioning, and flexbox, crucial for frontend layouts.</li></ul>
2.	What have been the challenges, fears	<ul style="list-style-type: none"><li>• Confusion between padding versus margin and absolute versus relative positioning.</li><li>• Initial errors in linking external CSS files due to incorrect file paths.</li><li>• Difficulty making the webpage fully responsive on smaller screens.</li><li>• Fear of forgetting CSS rules and proper layout syntax.</li><li>• Concern about mastering layout techniques in a short timeframe.</li></ul>
3.	What are the relationships between your internship and your previous job training?	<ul style="list-style-type: none"><li>• Internship reinforces prior school knowledge in HTML and CSS, but with practical, real-world application.</li></ul>

		<ul style="list-style-type: none"> <li>• Unlike school, where learning is mostly theoretical, this internship applies those concepts in actual projects and team workflows.</li> <li>• Agile methodology and Git usage complement theoretical project planning taught in class but are executed more rigorously here.</li> </ul>
4.	What could be the difference between what you have observed in the field and what you learned in class?	<ul style="list-style-type: none"> <li>• In class focus is on syntax and rules where as in the field focus is on how to use CSS to build user-friendly interfaces with best practices and real deadlines.</li> <li>• Class projects are often individual. Internship projects encourage version control, collaboration, and GitHub publishing.</li> <li>• Exposure to debugging tools like browser developer tools was limited in class, but essential during internship.</li> </ul>
5.	What could be the experience you have gained so far from being part of the organization/community?	<ul style="list-style-type: none"> <li>• Acquired hands-on experience in writing clean, maintainable CSS for real projects.</li> <li>• Learned how to collaborate in a tech workspace (physical and remote), share code on GitHub, and follow structured workflow.</li> <li>• Developed confidence to tackle frontend design challenges independently.</li> <li>• Felt the value of being part of a supportive tech community at the National ICT innovation hub.</li> </ul>

6	List activities done for the week	<ul style="list-style-type: none"> <li>• <b>Monday: Introduction to CSS (inline, internal, external)</b></li> <li>• <b>Tuesday: Text styling, font properties, color schemes</b></li> <li>• <b>Wednesday: Understanding the box model and spacing</b></li> <li>• <b>Thursday: CSS positioning and floats</b></li> <li>• <b>Friday: Flexbox layouts and alignment</b></li> <li>• <b>Saturday: Mini project; Personal profile webpage using all learned CSS techniques</b></li> </ul>
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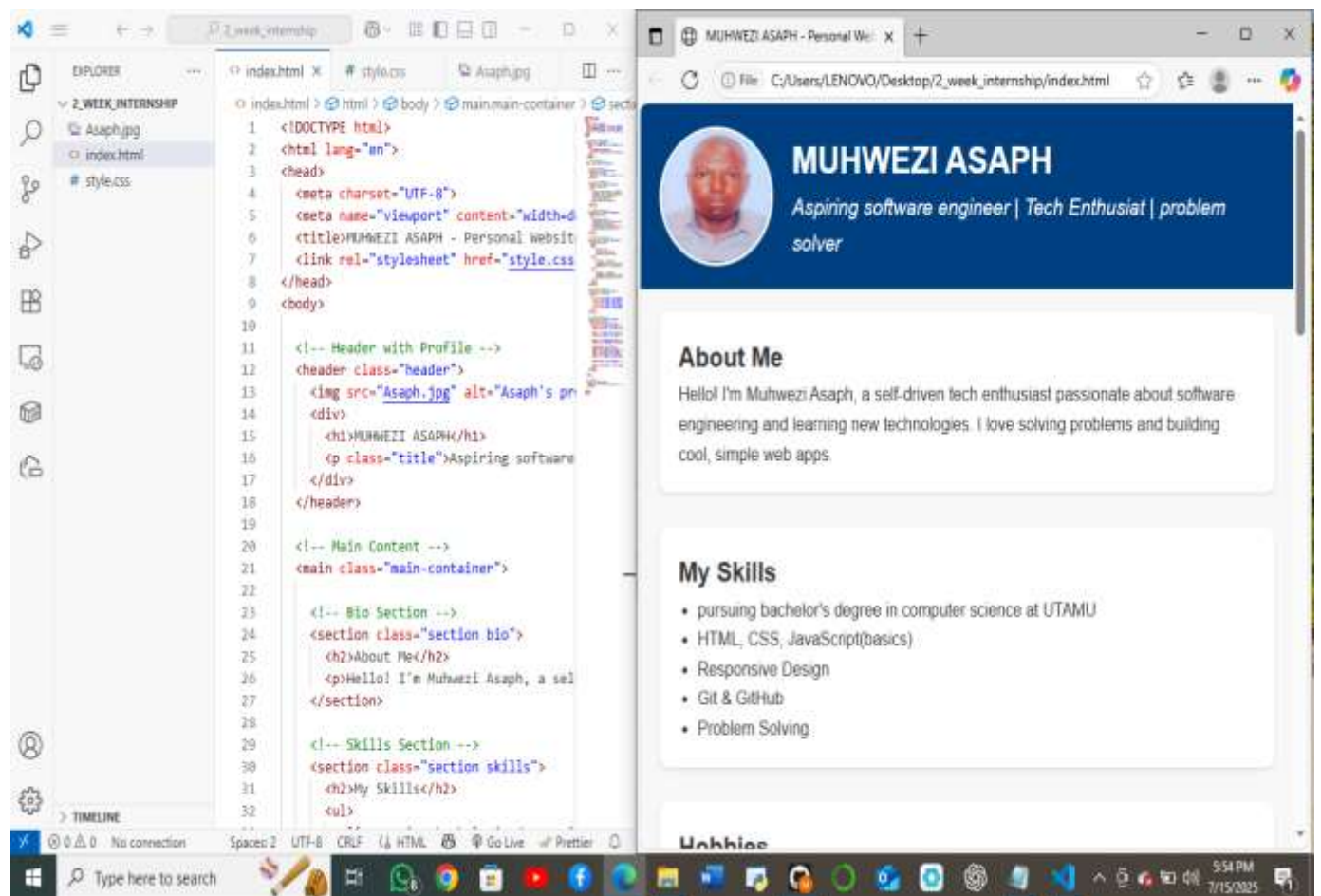


Figure 1 screenshot of the mini project

## DAILY RECORD OF PROGRESS

Week 1 internship at Zentrix Africa Technologies institute

Internship Duration: 30 June 2025 – 18th August 2025

Week covered: Week 2 (7<sup>th</sup> July – 13<sup>th</sup> July 2025)

Location: National ICT Innovation Hub, Nakawa (Physical) and Online

### DAY BY DAY DETAILED BREAKDOWN

Day 1 – Monday, 7<sup>th</sup> June 2025 (Physical)

Activity: introduction to CSS

Described as like the clothing of HTML structure. It makes the plain skeleton (HTML) look beautiful, neat, and organized.

Key concepts covered:

- What CSS is and why we use it
- CSS Syntax: Selector, Property, Value
- Inline, internal, and external CSS

Lessons learned:

- Understood how to apply styles in multiple ways
- Learned how to organize CSS outside HTML for reusability


Challenges faced:

- Forgetting to link CSS file properly sometimes (missing href or wrong path)
- Long codes when using inline and internal CSS

Recommendations:

- There is a need to always double check CSS file paths when external CSS is used
- There is a need to use external CSS for cleaner and scalable projects

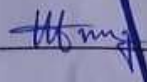
I declare that all the information provided is true



Signed by trainee

7/07/2025

Date



Signed by field supervisor



Figure 2 shows screenshot of record of progress day 1

Day 2 Tuesday, 08<sup>th</sup> July 2025 (online)

Activity: Text styling and color properties.

Described like changing fonts in a word document. It's all about choosing your favorite styles, colors, and sizes to make content appealing

Key concepts covered:

- Text styling: font-family, text-align, text-transform, line-height
- Colors using HEX, RGB, HSL
- Importing Google fonts

Lessons learned:

- Fonts can greatly affect readability
- Proper use of colors helps user experience

Challenges faced:

- Some fonts did not render until Google fonts were correctly linked

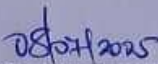
Recommendations:

- Use of Google fonts with proper link tags
- Checking for contrast for text readability

I declare that all the information provided is true



Signed by trainee



Date



Signed by field



Date

Figure 3 shows screenshot of record of progress day 2

Day 3 Wednesday, 09<sup>th</sup> July 2025 (physical)

Activity: Box model and layout spacing.

Described like thinking of every element on a webpage like a box. This day helped me understand how to put padding inside, borders around, and margins outside those boxes.

Key concepts covered:

- CSS Box Model: content, padding, border, margin
- Units: px, em, %
- box-sizing: border-box

Lessons learned:

- All elements are treated as boxes, and spacing matters
- Developer tools help see real-time spacing and styling

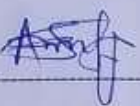
Challenges faced:

- Confusion between padding and margin

Recommendations:

- There is a need to always practice with developer tools to inspect box structure
- There is a need to use visual diagrams to grasp box model layers

I declare that all the information provided is true



Signed by trainee

09/07/2025

Date



Signed by field



Figure 4 shows screenshot of record of progress day 3



Day 4 – Thursday, 10<sup>th</sup> July 2025 (online)

Activity: CSS positioning and floats

Description: Positioning lets us decide exactly where an item sits on a page.

Key concepts covered:

- position: static, relative, absolute, fixed, sticky
- top, left, right, bottom, z-index
- float, clear, overflow

Lessons learned:

- Absolute versus relative positioning makes a big difference
- Floats can break layouts if not cleared properly

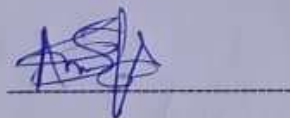
Challenges faced:

- Forgetting parent-relative reference for absolute elements

Recommendations:

- Practice small layout tasks to grasp each position type
- Use clear fix technique after floating elements

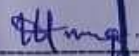
I declare that all the information provided is true



Signed by trainee

10/07/2025

Date



Signed by field supervisor



Figure 5 shows screenshot of record of progress day 4

Day 5 – Friday, 11<sup>th</sup>/July 2025 (physical)

Activity: Flexbox layout

Flexbox described like a magical container that automatically arranges items in rows or columns and aligns them perfectly without much effort.

Concepts covered:

- display: flex, flex-direction, justify-content, align-items, gap
- Horizontal and vertical alignment

Lessons learned:

- Flexbox reduces the need for manual spacing
- Helps build responsive design easily


Challenges faced:

- Items overflowing when container width was not defined

Recommendations:

- To always wrap items properly inside a flex container
- Use of gap instead of margins for spacing

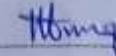
I declare that all the information provided is true



Signed by trainee

11/07/2025

Date



Signed by field



Figure 6 shows screenshot of record of progress day 5



Day 6 - Saturday, 12<sup>th</sup>/July 2025(online)

Activity: Mini project, applying CSS to previously created personal profile webpage in week 1

**Lessons Learned:**

- Combining all skills gives clarity on structure
- Writing clean code with clear layout saves time

**Challenges Faced:**

- Keeping layout responsive on smaller screens

**Recommendations:**

- Test projects on multiple screen sizes
- Comment code to stay organized

I declare that all the information provided is true

Student Signature: \_\_\_\_\_



12/07/2025

Date

Field supervisor name: \_\_\_\_\_

TURWONWE BENJAMIN

Field supervisor signature: \_\_\_\_\_

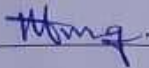


Figure 7 shows screenshot of record of progress day 6

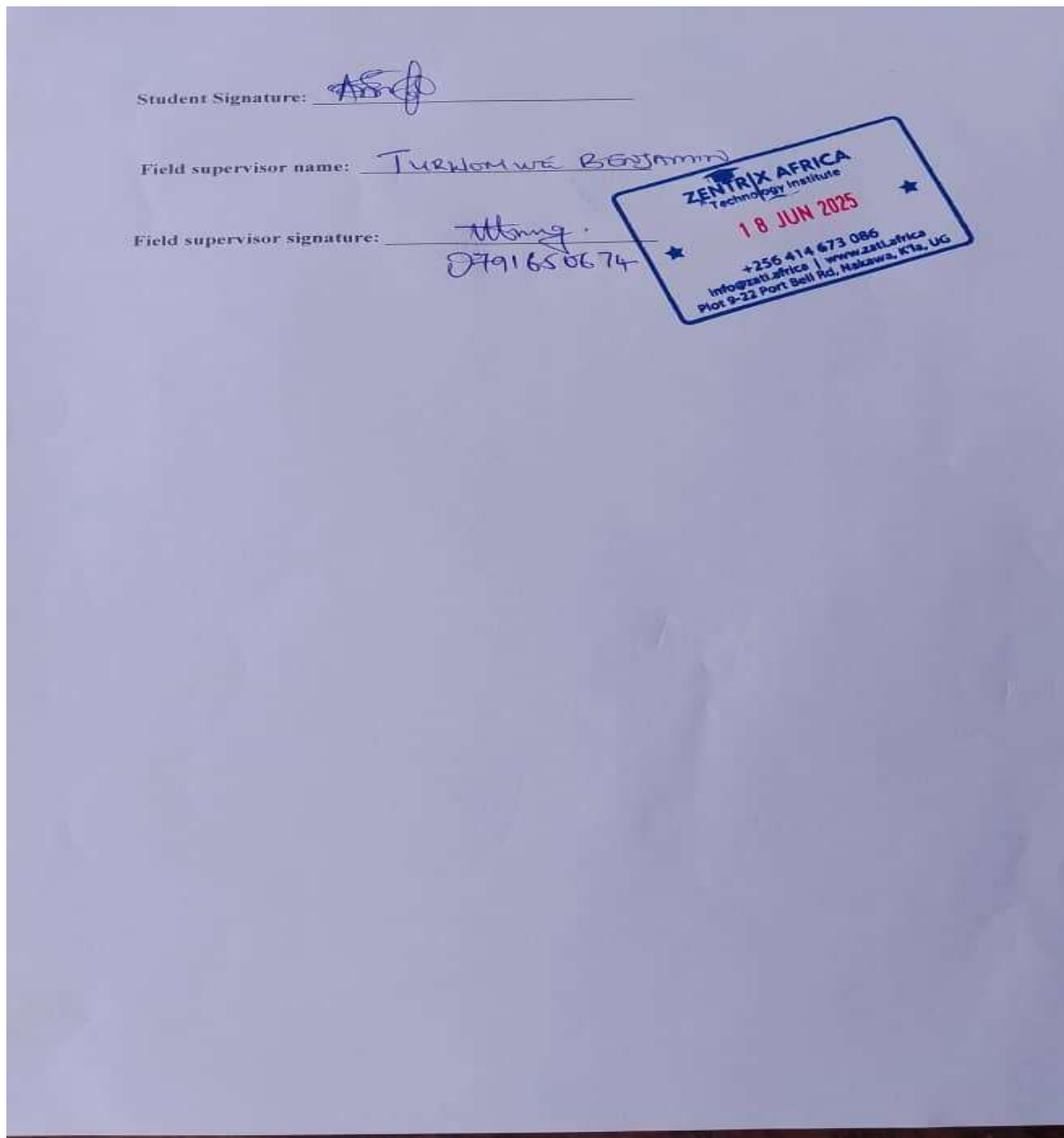


Figure 8 shows screenshot of final page of weekly report with the signature and name of the field supervisor

Below is the link to the repository of internship week 2

<https://github.com/muhweziasaph/Internship-week-2.git>