

UGANDA TECHNOLOGY AND MANAGEMENT UNIVERSITY

WEEKLY JOURNAL REPORT

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SEP23/BSC/3567U/F

BACHELOR OF SCIENCE COMPUTER SCIENCE

WEEK 2: 7th/July/2025 – 12th /July/2025

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

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

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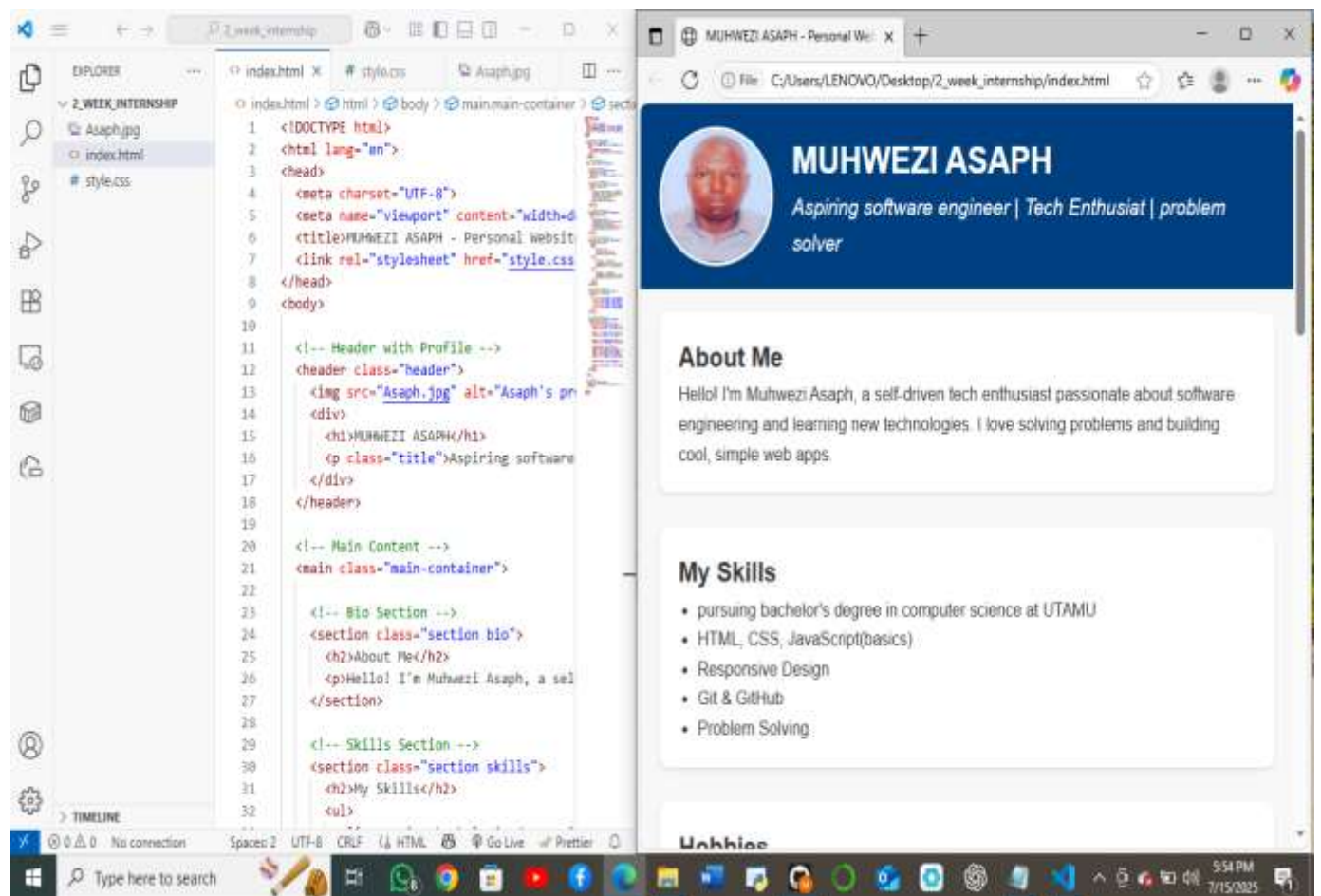


Figure 1 screenshot of the mini project

DAILY RECORD OF PROGRESS

Week 2 internship at Zentrix Africa Technologies institute

Internship Duration: 30 June 2025 – 18th August 2025

Week covered: Week 2 (7th July – 13th July 2025)

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

DAY BY DAY DETAILED BREAKDOWN

Day 1 – Monday, 7th 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

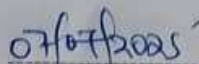
Recommendations:

- 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

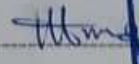
I declare that all the information provided is true



Signed by trainee



Date



Signed by field



Figure 2 shows screenshot of record of progress day 1

Day 2 Tuesday, 08th 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

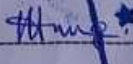
I declare that all the information provided is true



Signed by trainee

08/07/2025

Date



Signed by field



Date

Figure 3 shows screenshot of record of progress day 2

Day 3 Wednesday, 09th 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

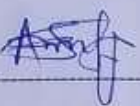
Challenges faced:

- 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

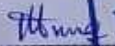
I declare that all the information provided is true



Signed by trainee

09/07/2025

Date



Signed by field



Figure 4 shows screenshot of record of progress day 3

Day 4 – Thursday, 10th 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

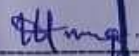
I declare that all the information provided is true



Signed by trainee

10/07/2025

Date



Signed by field supervisor



Figure 5 shows screenshot of record of progress day 4

Day 5 – Friday, 11th/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, 12th/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: _____

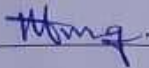


Figure 7 shows screenshot of record of progress day 6

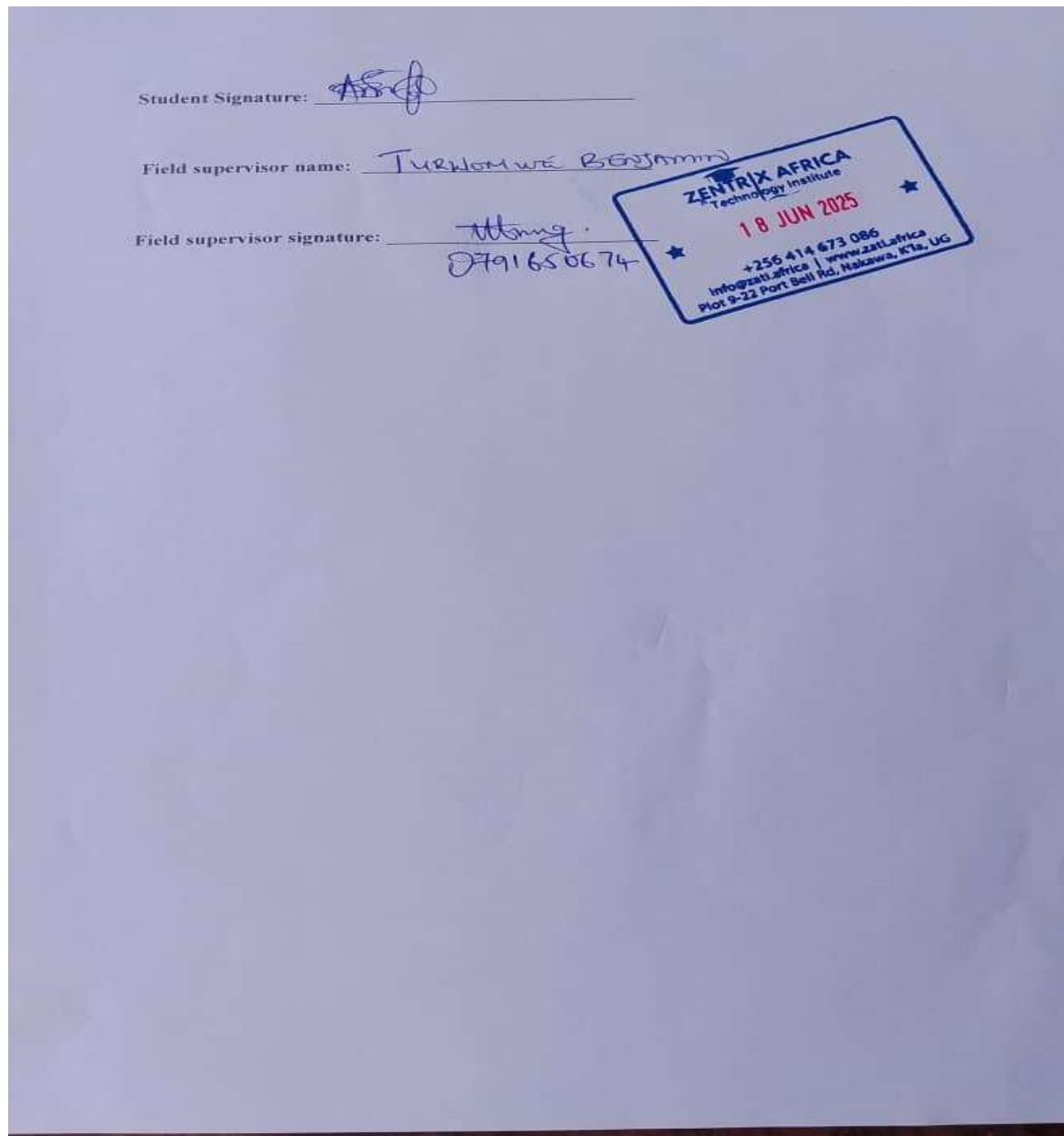


Figure 8 shows screenshot of final page of weekly report with the signature and name of the field supervisor

Below is the link to the repository of internship week 2

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