Week 2 Assignment – Build Your Own JavaScript Mini-App

Welcome to your **Week 2 Assignment**!
It's time to put your JavaScript and DOM skills into action by building a fully functional, interactive **mini-app** using only **HTML, CSS, and JavaScript**—no backend, no frameworks yet.

What You'll Do

Choose **one** idea from the list below or any other you would like to do and fully implement it using your knowledge from Week 2:

Suggested Ideas

Idea	What It Does	Core Skills Practiced
Unit Converter	Convert cm ↔ in, kg ↔ lb, etc.	Form inputs, JS arithmetic, DOM updates
Temperature Converter	°C ↔ °F in real-time	Input event, JS functions
Currency Converter	Convert using fixed rate	Form handling, field switching, validation
Tip & Bill Split Calculator	Calculate tip % and per-person total	Real-time calculations, input logic
BMI Calculator	Show BMI & category	Conditional logic, number inputs
Simple Calculator	+, −, ×, ÷ with buttons	JS event listeners, state tracking
Digital Clock	Live time with setInterval	JS time methods, DOM updates
Random Number Generator	Min/max → random number	Math.random, input fields
Random Quote Picker	Show a quote from a list	Arrays, random selection, DOM injection
Color Converter	Convert HEX ↔ RGB	String parsing, conversions

You may also choose any idea from the [JavaScript30](#) project list that does **not require backend or APIs**. Keep it beginner-friendly!

Requirements

- Structure your files clearly

- Your app must:

  - Take some form of **user input**

- o Use at least **one function and one event listener**

- o **Update the DOM** dynamically (e.g., show result, change content)

Submission Instructions

You may choose **one** of the following two ways to submit your work:

Option 1: GitHub

1. Push your code to GitHub

2. Host your app via GitHub Pages (Optional but recommended)

3. Submit your **GitHub repo link** and/or **live preview link** in the Moodle assignment

Option 2: ZIP Upload

1. Zip your project folder (index.html, style.css, script.js)

2. Upload the .zip file directly in Moodle under **Week 2 Assignment**

3. A sample submission is uploaded on moodle for your reference.

Deadline

Submit by: Sunday, 11:59 PM
Note: Late submissions may ~~not~~ be accepted without valid reasons.

Need Help?

Ask questions, get feedback, and share progress in the **Whatsapp Group**. Everyone starts somewhere, don't hesitate!