VALENIN IT WORKSHOP

I. GREETINGS

II. GOAL OF THIS WORKSHOP TOPIC

III. TAILWIND CSS INTRODUCTION

    A. What is Tailwind CSS
    B. Usage Power
    C. Documentation Site
    D. Language and Framework that uses Tailwind
    E. What Website Uses Tailwind CSS

IV. INSTALLATION

    A. HTML + Tailwind CSS through CDN
- Participants who bring their laptop, kindly open your code editor (Visual Studio Code recommended).
- For those who don't bring their computers, kindly install Acode Editor on their android devices or any application that suits them this workshop.
- Installation of Tailwind CSS Intellisense Extension on Visual Studio Code (optional for those who bring their computer).

V. LESSONS

    A. Quick Lesson for HTML Structure

- HTML Tag
- Creating Title and Icon for the Web

    B. Basic Typography

- Font Family, Size, Style, & Weight
- Text Color, Alignment, Decoration, Transform, Wrap, Overflow, Indent, etc.
- Letter Spacing & Line Height
- Variant Numeric
- Ordered Listing and Unordered Listing

    C. Layout, Spacing, and Sizing

- Main, Nav, Footer HTML Tag
- Flex
- Content and Item Justification and Alignment + Gap
- Grid
- Padding
- Margin
- Width
- Height
- Ordering
- Display
- Visibility
- Image Object Fit and Position
- Aspect Ratio
- Float
- Position

- Overflow

D. Tables

- Border Collapse and Spacing
- Table Layout

E. Backgrounds

- Background Attachment
- Background Color
- Background Image
- Background Position
- Background Repeat
- Background Size

F. Borders and Outlines

- Border Radius
- Border Width
- Border Color
- Border Style
- Outline Radius
- Outline Width
- Outline Color
- Outline Style

G. Effects, Filters, Transform and Transition

- Box Shadow
- Opacity
- Blur
- Brightness
- Contrast
- Drop Shadow
- Grayscale
- Hue
- Invert
- Saturate
- Sepia
- Rotate
- Skew
- Transform
- Translate
- Transition Properties
- Cursor Pointer
- Appearance

H. Responsive Design (Media Query)

- Small Screen, Medium Screen, Large Screen
- Max Screen Size

I. Custom Utility

J. States

- Hover
- Active
- Focus
- Selected

K. Dark Mode

- Toggling Dark Mode using JavaScript
- Class for Dark Mode

VI. REACT/VUE + TAILWINDCSS

A. Installing Requirements for React/Vue + TailwindCSS

1. Visual Code

2. Node.js

A. Installing React/Vue with Vite

B. Installing Tailwind V4 and Configurations

C. Brief Exploration of React Files

D. Inserting Made HTML Files to React/Vue

E. Custom Themes and Directives

- Use of @Layer on Base and Components
- Custom Color, Screens, Font.

VI. ACTIVITY

Instructions: Each participant will choose at least one of the following as their activity in the workshop:

1. 🎵 Create a Music Player UI - Design a simple music player interface with play, pause, and skip buttons. Style it however you like — add hover and active states.

2. 🎮 Create a Game Leaderboard - Design a leaderboard for a game with player names, scores, and ranks. Make it interactive with hover and focus states. Experiment with colors, spacing, and alignment.

3. 💡 Create a FAQ Section - Make a FAQ section with questions and answers that expand or collapse. Style it however you like — you can add icons, borders, or colors.

4. 📷 Create a Responsive Image Gallery - Make an image gallery that looks good on both mobile and desktop. Add hover effects or transitions to make it feel interactive. You can add captions if you want to. Play around with spacing and object-fit.

5. 🛒 Design a Shopping Cart Page - Make a shopping cart layout with a list of items, prices, and a checkout button. Add some hover and transition effects to make it feel smooth.

6. 📅 Make an Event Calendar - Create a simple event calendar using Flexbox or Grid. Add hover and active states to highlight dates or events. Make sure it's responsive.

7. 🎨 Create a Pricing Table - Design a table to display different pricing options. Add hover effects and try using different colors or layouts to make it visually appealing.

8. 🌐 Design a Blog Page - Create a simple blog page with a header, content area, and maybe a sidebar. Make it responsive and try out different text and background styles.

9. 🎯 Build a To-Do List - Create a to-do list where you can add and remove tasks. Style it however you like, and make the buttons and input fields feel interactive with hover and focus states.

10. 📝 Build a Simple Personal Profile Card - Create a personal profile card with any style you like. Include a profile picture, name, bio, and a button. Add some hover effects and make sure it looks good on any screen size.