Web Technologies Nested List

   I. HTML

     A markup language for creating web pages.

  II. CSS

     A stylesheet language used for describing the look of a webpage.

- Controls layout
- Defines colors
- Sets fonts

III. JavaScript

     A programming language used to add interactivity to a webpage.

-     Handles events
-     Updates content dynamically
-     Validates form

To be Covered

- Programming Languages
  - C
  - C++
  - Java
  - Python
- Data Structure and Algorithms
  - Array
  - Linked List
  - Stack
  - Queue
  - Trees
  - Graphs
- Web Technologies
  - HTML
  - CSS
  - JavaScript
    - React
    - Angular
  - Bootstrap

Learning Web Development

A. HTML
    a. Minimal Page
    b. Headings
    c. Tags
    d. Lists
        i. Unordered
        ii. Ordered
        iii. Definition
        iv. Nested
    e. Links
        i. Absolute
        ii. Relative
    f. Images
B. CSS
    a. Anatomy
    b. Basic Selectors
        i. Element
        ii. Class
        iii. ID
        iv. Group
    c. The DOM
    d. Advanced Selectors
    e. Box Model
C. Programming
    a. Python
    b. JavaScript
D. Database
    a. Flat File
    b. Relational

Steps List

5. Step One
6. Step Two
7. Step Three
8. Step Four
9. Step Five

Subject List

1. Mathematics
2. Science
3. History
4. Geography
5. English
6. Physics
7. Chemistry
11. Art
12. Music
13. Physical Education

Document Structure

 I. Introduction
 II. Main Body
    a. Point 1
    b. Point 2
    c. Point 3
III. Conclusion

Top Five Goals for the Semester

1. **Attend All Classes**

   Importance: Regular attendance helps reinforce learning and understanding.

   Plan to Achieve: Set reminders for class times and prioritize attendance.

2. **Complete Assignments on Time**

   Importance: Timely submission of assignments is essential for good grades.

   Plan to Achieve: Use a planner to track deadlines and allocate study time accordingly.

3. **Participate in Study Groups**

   Importance: Collaboration with peers enhances understanding and retention of material.

   Plan to Achieve: Join or form study groups for subjects where collaboration is beneficial.

4. **Maintain a Balanced Lifestyle**

   Importance: A balanced lifestyle promotes mental and physical well-being.

   Plan to Achieve: Incorporate regular exercise, healthy eating, and adequate sleep into daily routines.

5. **Improve Time Management Skills**

   Importance: Effective time management leads to better productivity and less stress.

   Plan to Achieve: Use tools like calendars and to-do lists to prioritize tasks and manage time effectively.

Items List

- First
- Second
- Third

Color Items List

- Violet
- Indigo
- Blue
- Green
- Yellow
- Orange
- Red

Steps and Options

1. Step 1
2. Step 2
   - Option A
   - Option B
   - Option C
3. Step 3

Valuable Study Resources

- "Algorithm Design" by Robert C. Martin

  This book emphasizes writing clean, maintainable code. It's essential for improving programming skills and understanding best practices in software development.

- MDN Web Docs

  A comprehensive resource for web development, providing detailed documentation and tutorials on HTML, CSS, JavaScript, and more. It's invaluable for learning and referencing web technologies.

- "Introduction to Algorithms" by Cormen, Leiserson, Rivest, and Stein

  A foundational book on algorithms, widely used in computer science education. It helps in building a strong understanding of algorithms and their applications.

- FreeCodeCamp

  An interactive platform offering coding lessons and projects for web development, data structures, and algorithms. It's great for hands-on learning and building real-world projects.

- Coursera (Introduction to Data Science)

  This course offers a solid introduction to data science concepts and tools. It's helpful for learning the basics of data analysis, machine learning, and data visualization.

Web Browsers Definition List

Internet Explorer
    Developed by Microsoft, an integral piece of Windows products.
Mozilla
    Developed by the Mozilla Project, an open-source browser for multiple platforms.
Netscape
    Developed by Netscape Communications Corporation, one of the first graphical browsers.
Safari
    Developed by Apple Computer, Inc., for Apple's OS X operating system.
Firefox
    A "next-generation" open-source browser developed by Mozilla and available on multiple platforms.