

Hands-on Activity

HTML Tree

Objective:

At the end of the exercise, the students should be able to:

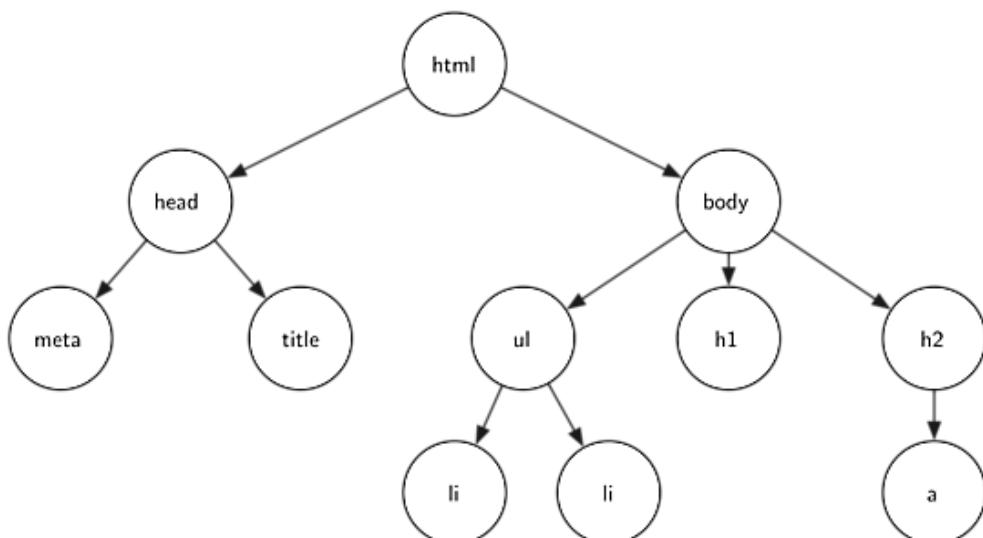
- Use Java methods to create a tree and manipulate its nodes.

Software Requirements:

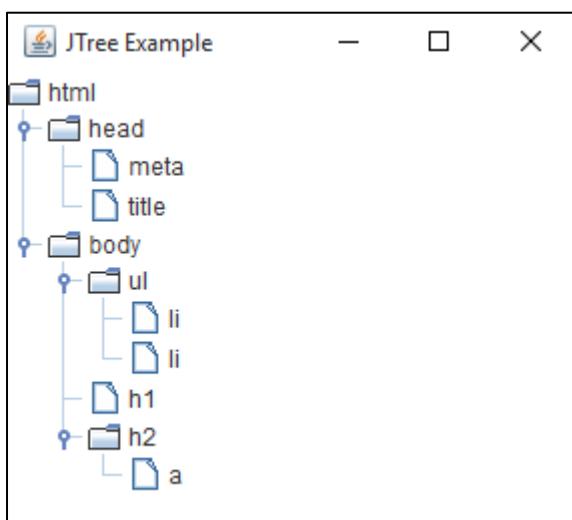
- NetBeans IDE
- Java Development Kit (JDK) 8

Procedure:

1. Create a folder named *LastName_FirstName* in your local drive. (ex. Reyes_Mark)
2. Using NetBeans, create a Java project named **HtmITree**. Set the project location to your own folder.
3. Create and display a **JTree** based on the given tree figure. Refer to **06 Handout 1** for sample codes.



Expected Output:



Part 2 (Week 9)

4. Using Java methods and `println()`, enumerate the following:
 - 4.1. Root node
 - 4.2. Parent nodes
 - 4.3. Siblings
 - 4.4. One-level subtrees
 - 4.5. Nodes per level
 - 4.6. Depth
 - 4.7. Degree of each one-level subtree
 - 4.8. List of nodes based on breadth-first, preorder, and postorder