**CSE687 – OOD Project #1 : XML Processing**

Tasks:

1. Acquire input string (perhaps from file)
2. Create empty document
3. Parse string for elements (parse results are empty if empty string)
   1. Add element
      1. Find parent
      2. build new element recursively
         1. Create tagged node
         2. Add to parent
         3. Add attributes
         4. Add body
            1. Add text
            2. Add element
4. Add new element (non-recursively)
   1. Find parent
   2. Build new element
      1. Create tagged node
      2. Add to parent
      3. Add attributes
      4. Add body
         1. Add text
5. Remove element
   1. Find parent
   2. Remove child
6. Modify element
   1. Find element
   2. Modify attributes
   3. Modify body text
7. Display document tree
   1. Depth first search
8. Write to string (perhaps file)