1. Chapter 1: Foundations
   - Section 1.1: Definitions
     Term A
       Definition of Term A (short).
     Term B
       Definition of Term B (with nested lists to illustrate examples):
       1. Example 1
          - Detail 1
            Subterm i
              Sub-definition i
            Subterm ii
              Sub-definition ii
              1. Case A
                 - Point α
                   α.1
                     Note α.1
                 - Point β
              2. Case B
          - Detail 2
       2. Example 2
          1. Subexample 2.1
          2. Subexample 2.2
             - Leaf A
             - Leaf B
   - Section 1.2: Hierarchies
     1. Level 1
        - Level 2
          1. Level 3
             - Level 4
               Concept X
                 Explanation of X
                 1. Variant X.1
                    - Note X.1.a
                    - Note X.1.b
                 2. Variant X.2
               Concept Y
                 Short explanation of Y
          2. Another branch at level 3
     2. Secondary branch at level 1
   - Section 1.3: Mixed Content Examples
     Item Set
       1. Item 1
          Note
            Important note about Item 1
       2. Item 2
          - Subitem 2.1
            1. Detail 2.1.1
            2. Detail 2.1.2
          - Subitem 2.2
     Alternate Set
       - Alternate A
         Alt-A1
           Alt detail A1

Alt-A2
    Alt detail A2 (deeper nesting)
      - Point 1
            1. Subpoint a
            2. Subpoint b
      - Alternate B
2. Chapter 2: Applied Patterns
    1. Pattern 2.1: Composite Structures
        - Composite A
        Part 1
            1. p1.a
            2. p1.b
              - p1.b.i
              - p1.b.ii
        Part 2
            Standalone note for part 2
        - Composite B
            1. Segment 1
            2. Segment 2
              - Fragment α
              - Fragment β
              β-meta
                Metadata list:
                    1. m1
                    2. m2
    2. Pattern 2.2: Cross-references (represented as nested list pointers)
        - Node A references:
            1. Node B
              - Node B.a
              - Node B.b
              Ref
                See Chapter 1 → Section 1.2 → Level 4
            2. Node C
3. Chapter 3: Exercises & Answers
    1. Exercise 3.1 (multi-step)
        - Step A
            1. Do this
            2. Then do that
            Expected result
                Result description
        - Step B
          - Check sub-results
          - Document anomalies
    2. Answer Key
    Q3.1.a
        1. Answer part 1
        2. Answer part 2
          - Reasoning step i
          - Reasoning step ii
    Q3.1.b
        Short answer with reference: Chapter 2 → Pattern 2.1