Wholes and Parts

Structures, of all kinds are wholes which consist of parts. But the wholes are also parts of a larger whole. This process of composition continues for many stages as shown in the following example.

Words are the building blocks of sentences, but words are made out of other parts which are characters, and characters in turn are made up of bits.

At the other extreme sentences are parts of other wholes which are paragraphs which are parts of sections, which are parts of chapters, and onward to books.

The significant idea is that any one system or object can be viewed in these two ways, as both a whole and a part.

One person’s whole is another’s part.
**STRUCTURE** of Systems: Many Views (3)

1. **Parts & Wholes**
   
<table>
<thead>
<tr>
<th>part</th>
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</thead>
<tbody>
<tr>
<td>bit</td>
<td>char</td>
<td>word</td>
<td>sentence</td>
<td>paragraph</td>
<td>section</td>
<td>chapter</td>
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</tbody>
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2. **Levels**
   
   **Building**
   - Rooms
   - Walls
   - Bricks

   **Poem**
   - Lines
   - Words
   - Characters

3. **Break Outs**
   
   **Room**
   - Kitchen
   - Bathroom
   - Bedroom
   - EtcRoom

   **Wall**
   - North
   - East
   - South
   - West

   **Bricks**