ADT Taxonomy, Part II

collection of elements

manually positioned

algorithmically positioned
Algorithmically Positioned Collection

Untagged Collections

Set organization depends on element itself

Tagged Collections (ungrouped)

Tagged Bucket Collection

1976 -> \{ E1, E2, E3, E4 \}
Untagged Algorithmically Positioned Collection

- membership only (no duplicates) → Set
  - uniquely ordered → PriorityQueue
  - any → OrderedCollection
  - use prefix relations → DigitizedOrderedCollection
  - multiply ordered → SpatialCollection

- compare values → SpatialCollection

→ note of equivalence used

→ Tagged version mapping
Tagged Ungrouped Algorithmically Positioned Collection

- Membership only (no duplicates tags) → Mapping
- Uniquely ordered any → TaggedPriorityQueue
- Use prefix relations multiply ordered → TaggedDigitizedOrderedCollection
- Compare values → TaggedSpatialCollection

- Insert into an untagged collection

- Tags
Tagged Grouped Algorithmically Positioned Collection

tag, bucket

any data structure