

# Taxonomy of ADTs (Secs 2.1-2.6)

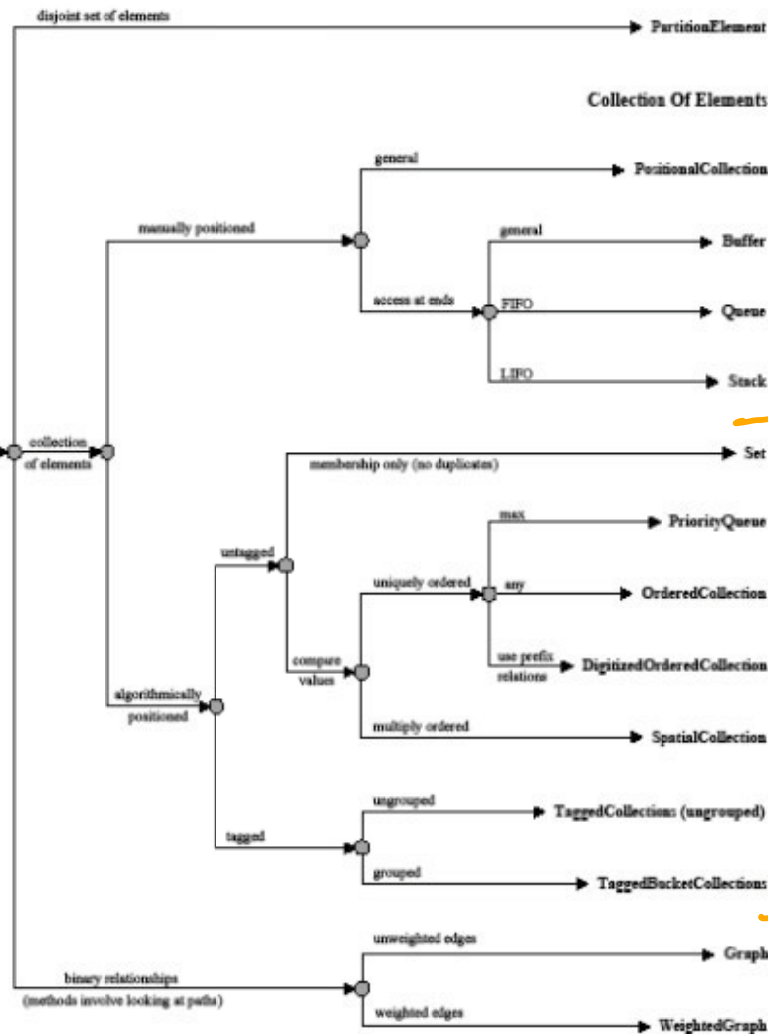
Note Title

9/17/2007

Inside  
Cover of

A Practical  
Guide to  
Data  
Structures  
& Algorithms  
in Java

Pages 15-27



We will discuss  
these in  
Taxonomy of  
ADTs, Part II

Disjoint Set  
of Elements

Partition

Collection of  
Elements

We'll focus on  
these for much  
of this course  
(+ much of the  
text).

binary relationships

Graphs

(methods involve  
looking at paths)

ex) print queue in  
order submitted →

Manually  
Positioned

Collection  
of Elements

Algorithmically  
Positioned

→  
ex) queue ordered by the  
priority for each job