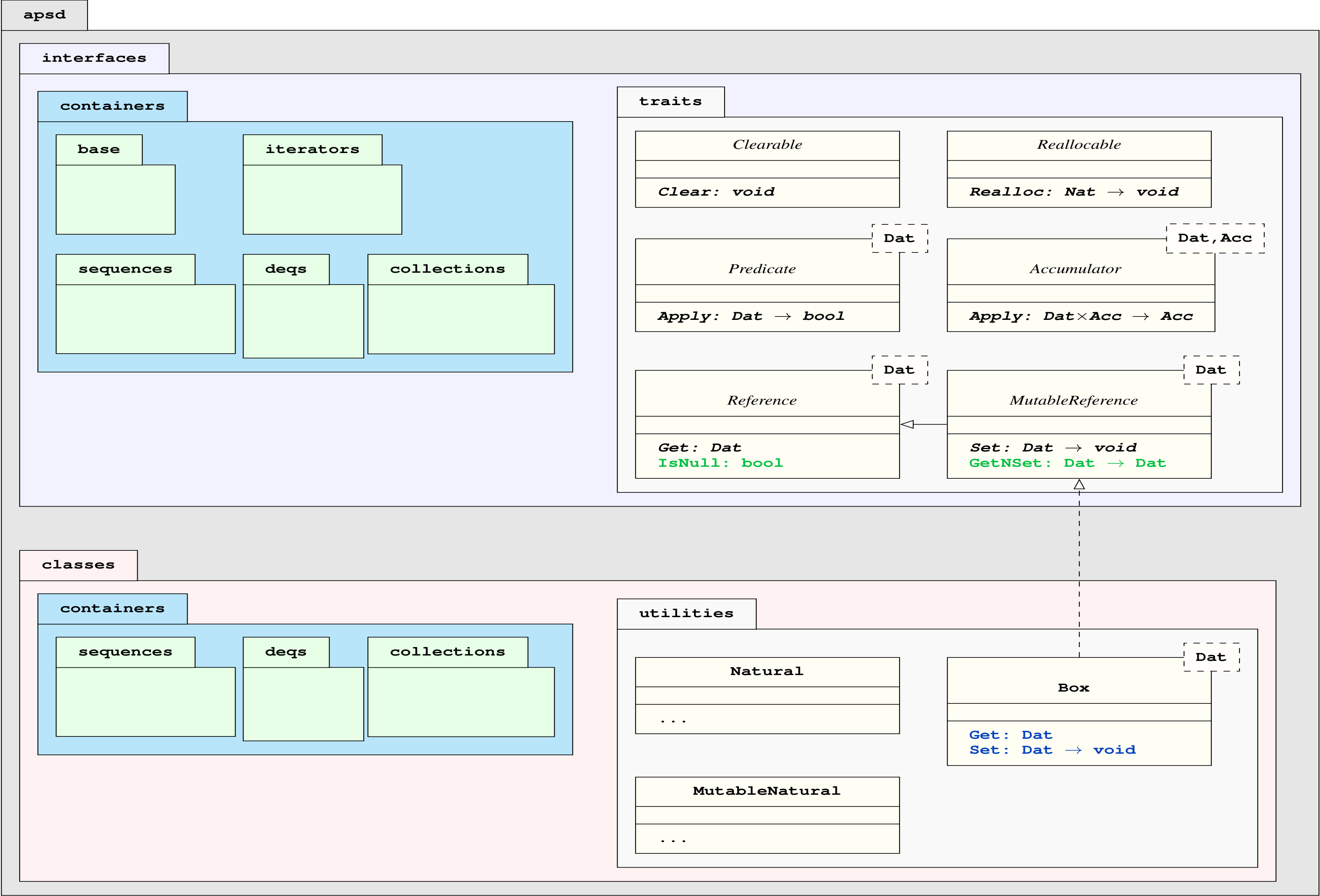


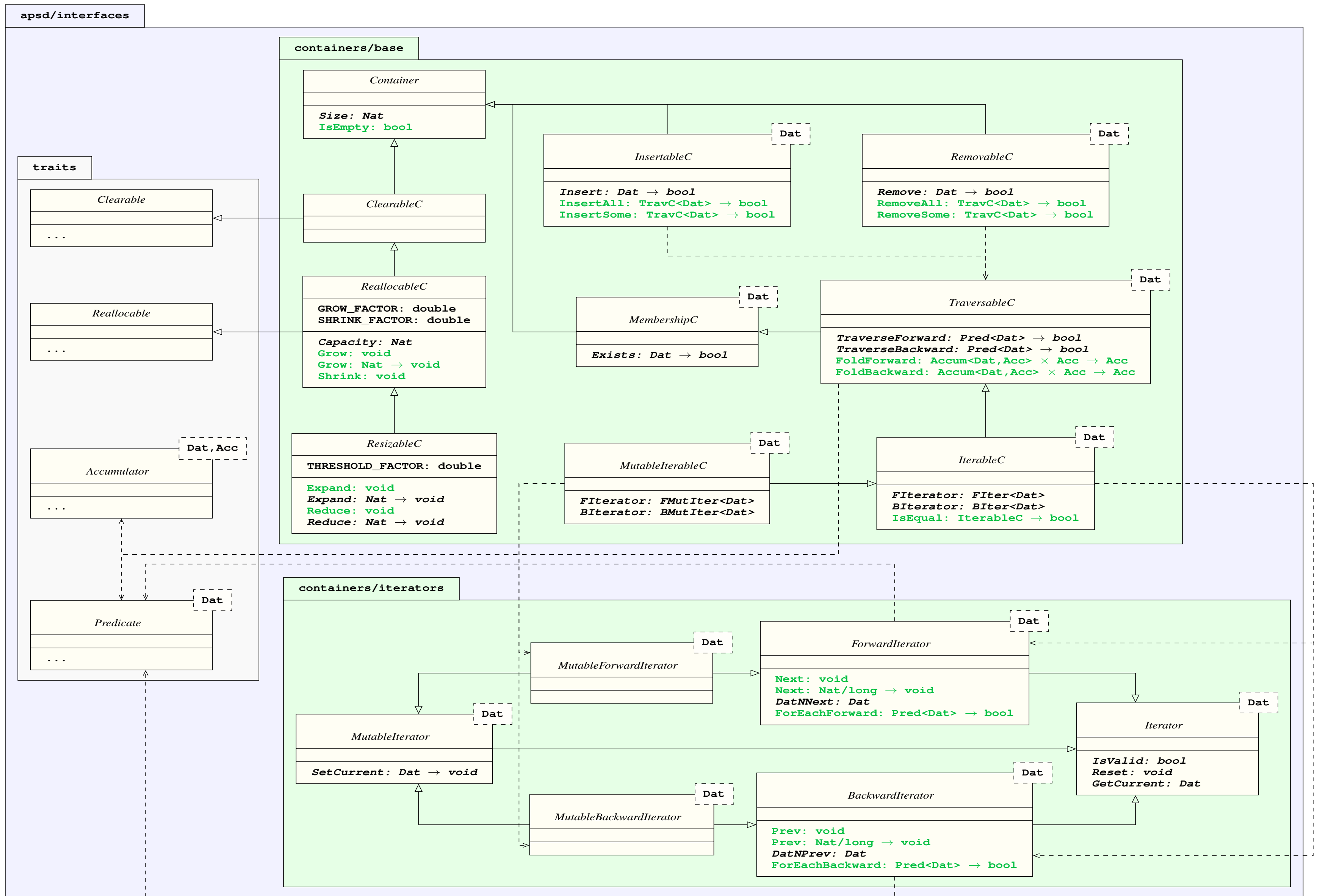
# Analysis and Design of Data Structures

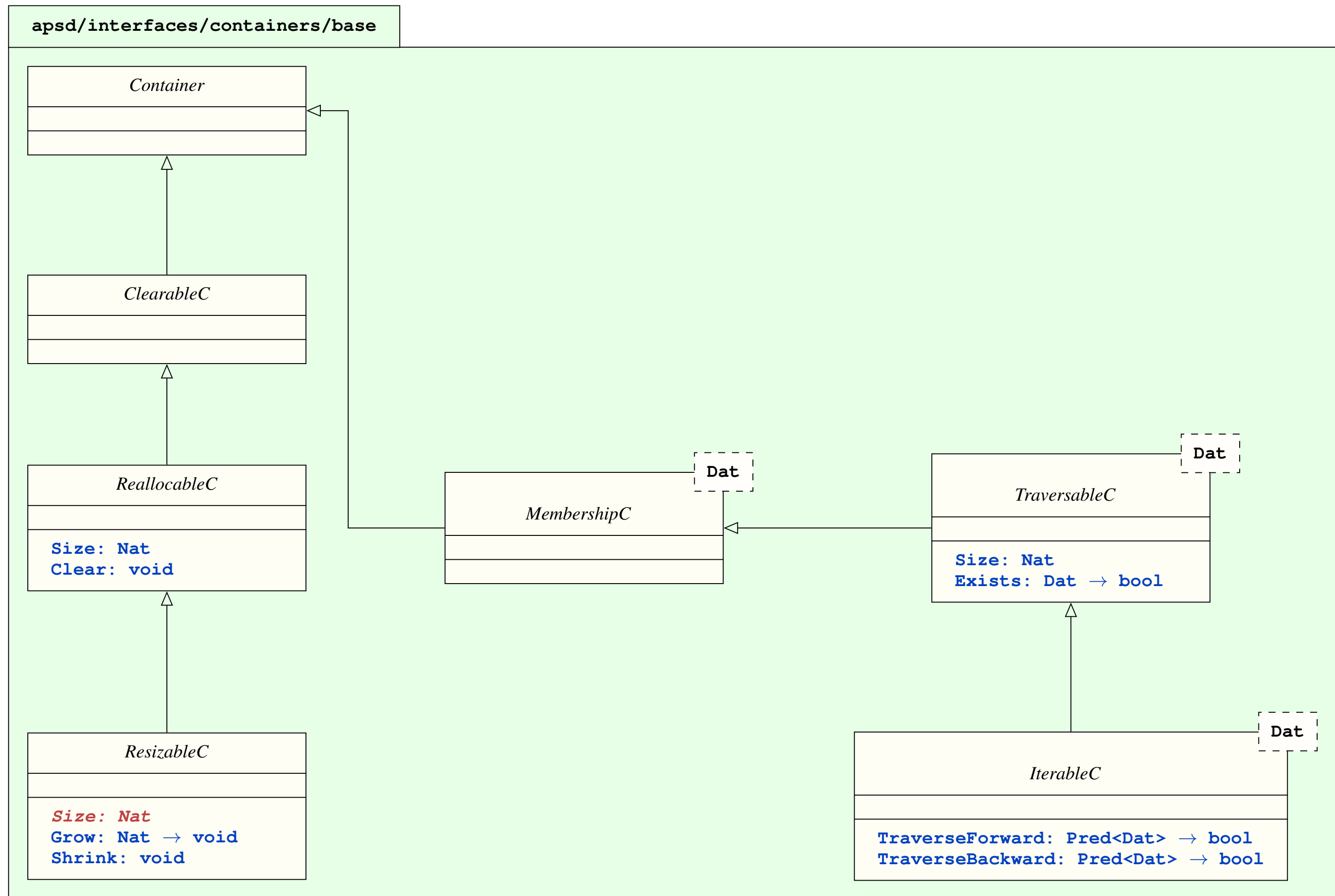
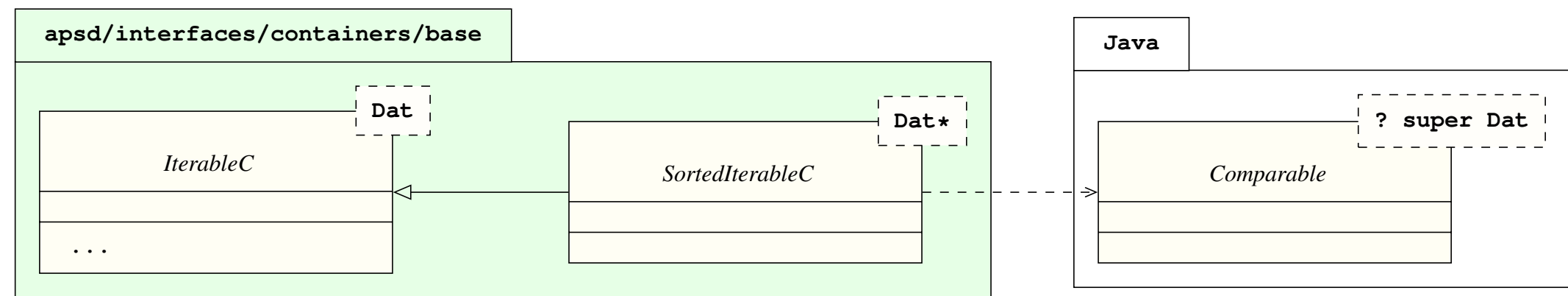
Massimo Benerecetti & Fabio Mogavero

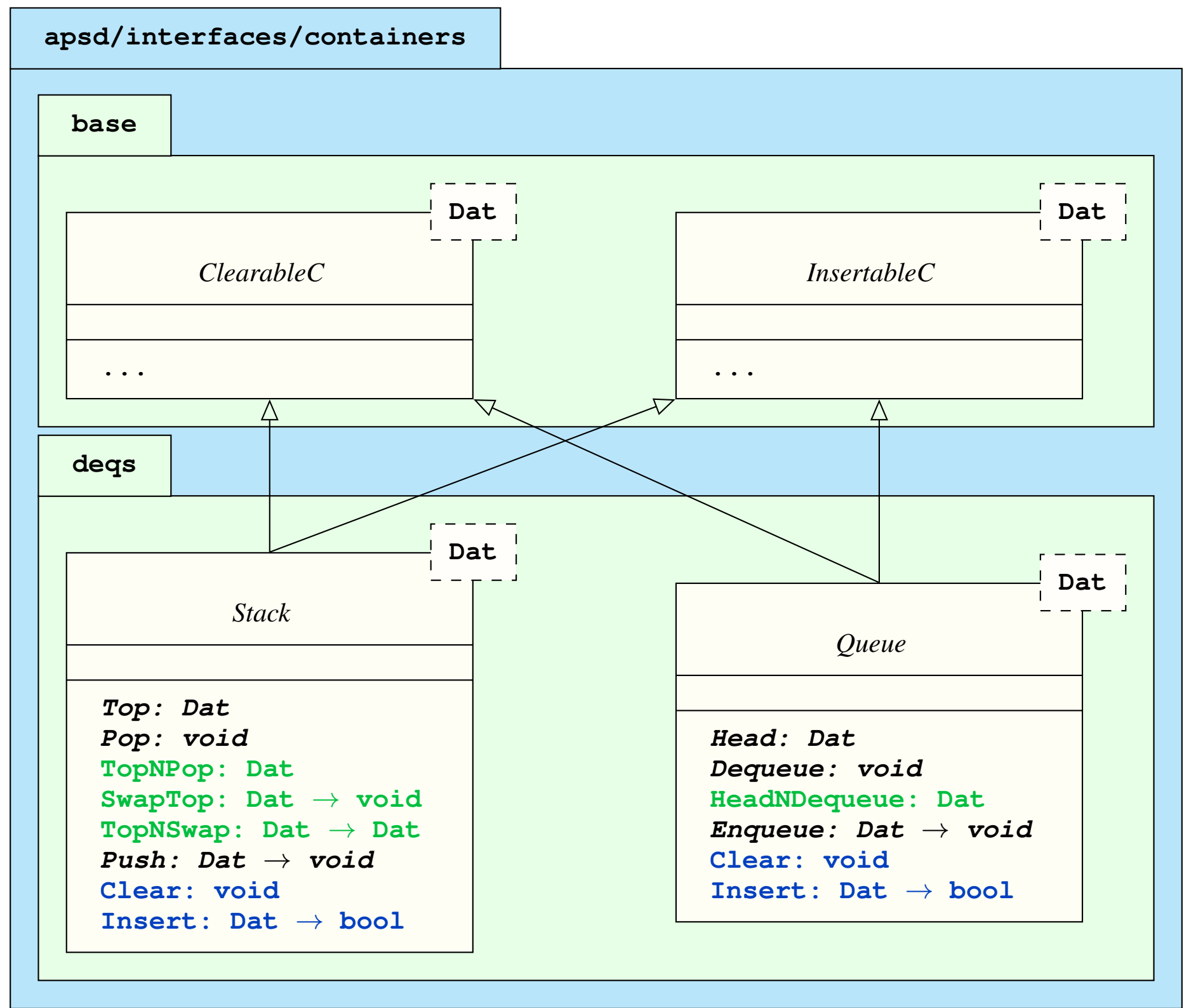


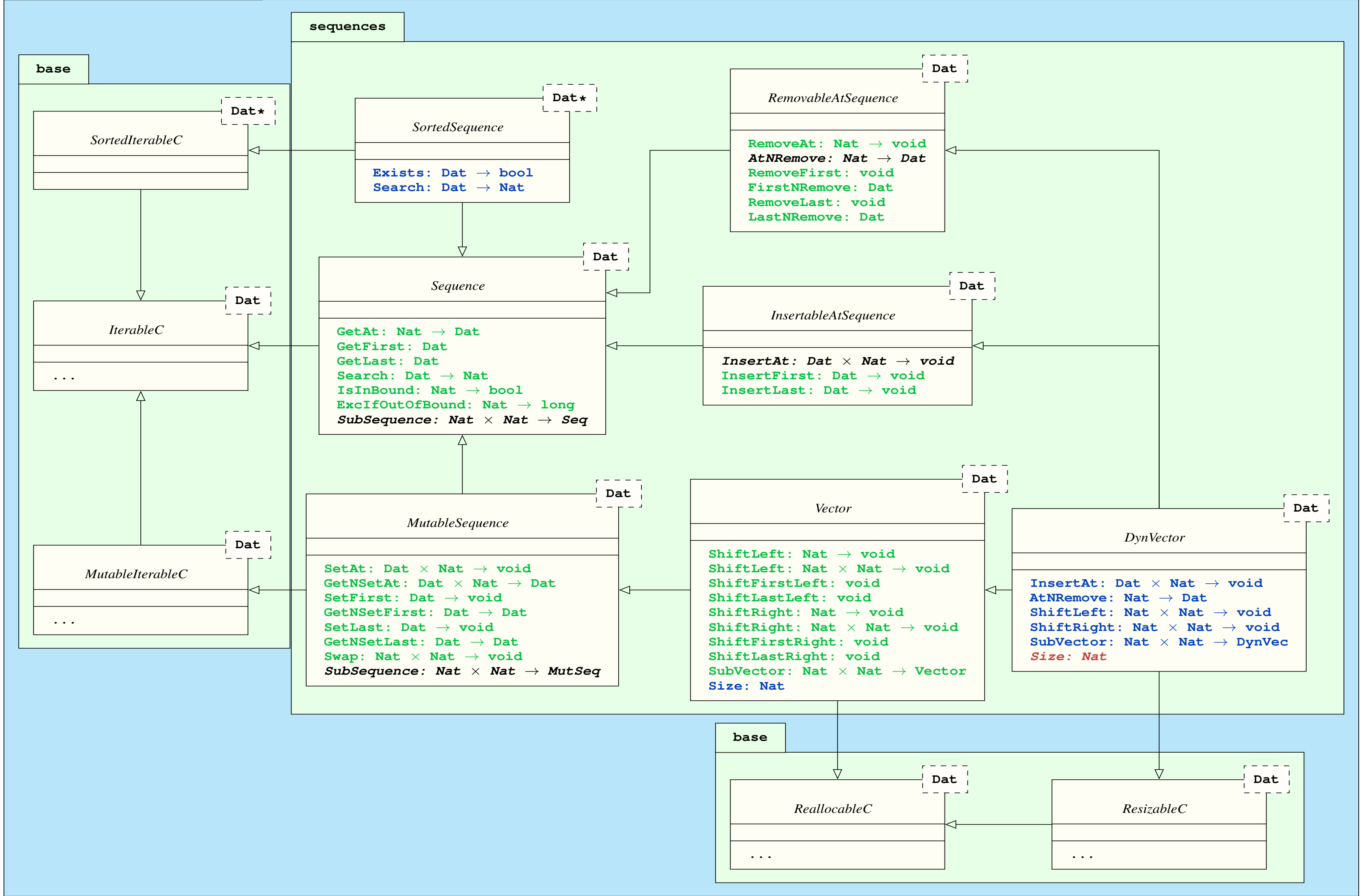


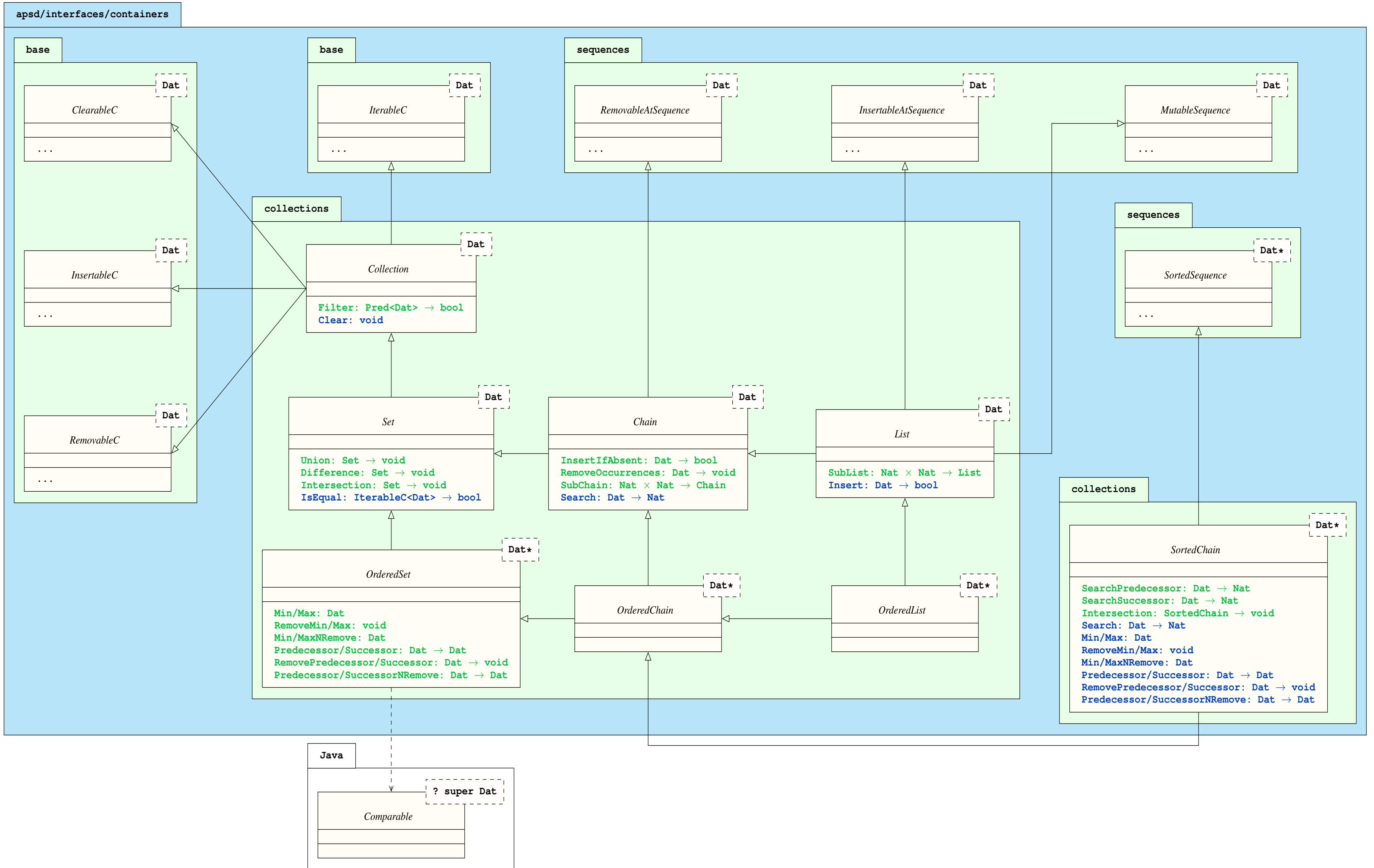




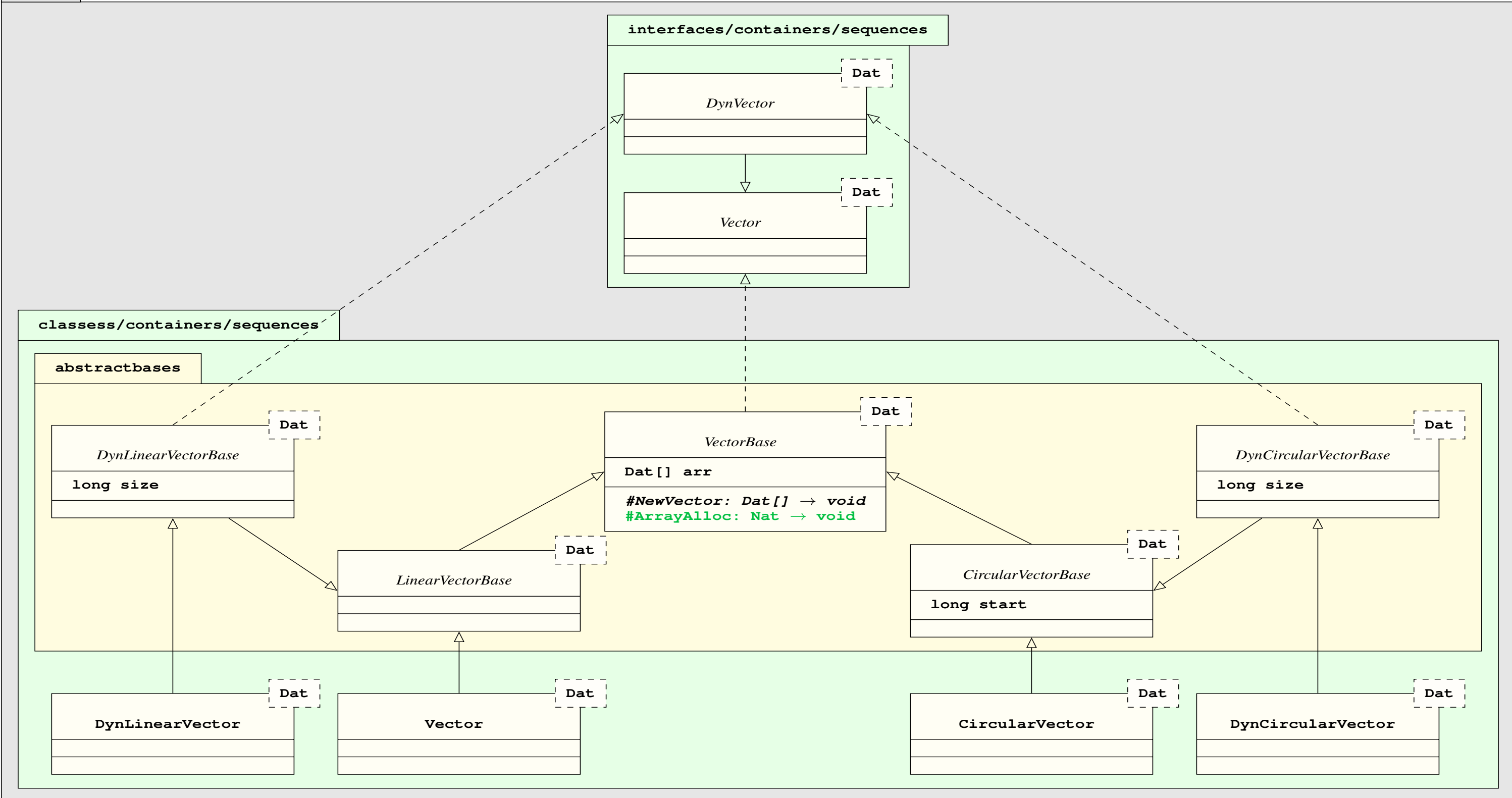












Methods	VecB	LinVecB	CirVecB	DLinVecB	DCirVecB
Size : Nat				✓	✓
Clear : void	✓			✓	✓
Realloc : Nat $\rightarrow$ void		✓	✓	✓	✓
Capacity : Nat	✓				
Expand : Nat $\rightarrow$ void				✓	✓
Reduce : Nat $\rightarrow$ void				✓	✓
F/BIterator : MutableForward/BackwardIterator	✓				
GetAt : Nat $\rightarrow$ Dat	✗	✓	✓		
SetAt : Dat $\times$ Nat $\rightarrow$ void	✗	✓	✓		
ShiftLeft/Right : Nat $\times$ Nat $\rightarrow$ void			✓		✓
SubSequence : Nat $\times$ Nat $\rightarrow$ MutableSequence	✓				
ArrayAlloc : Nat $\rightarrow$ void	✓		✓	✓	✓

Methods	VSChain	LLSChain	VList	LLList
F/BIterator : MutableForward/BackwardIterator			✓	✓
Insert : Dat $\rightarrow$ bool	✓	✓		
Remove : Dat $\rightarrow$ bool		✓		
Search : Dat $\rightarrow$ Nat		✓		
SearchPredecessor/Successor : Dat $\rightarrow$ Nat		✓		
SetAt : Dat $\times$ Nat $\rightarrow$ void			✓	✓
SetFirst/Last : Dat $\rightarrow$ void				✓
SubSequence : Nat $\times$ Nat $\rightarrow$ MutableSequence			✓	✓
InsertAt : Dat $\times$ Nat $\rightarrow$ void			✓	✓
InsertFirst/Last : Dat $\rightarrow$ void				✓
The six methods for Predecessor and Successor		✓		
InsertIfAbsent : Dat $\rightarrow$ bool	✓	✓		
RemoveOccurrences : Dat $\rightarrow$ void	✓	✓		

