

Collection (Interface)				
List (Interface)				
Points	Array List (Class)	Linked List (Class)	Vector (Class)	Stack (Class)
Implements and Extends	Array List(C) --- (extends) ----> Abstract List(C) ---- (Implements) ----> > List(I) ---- (extends) ----> Collection(I)	Linked List(C) ---- (extends) ----> Abstract Sequential List(C) --- (extends) ----> Abstract List (C) ---- (Implements) ----> List(I) ---- (extends) ----> Collection(I)	Vector (LC) --- (extends) ----> Abstract List (C) ---- (Implements) ----> > List (I) ---- (extends) ----> Collection(I)	Stack(LC) ---- (extends) ----> Vector (LC) ---- (extends) ----> Abstract List (C) ---- (Implements) ----> List(I) ---- (extends) ----> Collection(I)
Duplicate Allowed	Yes	Yes	Yes	Yes
Insertion Order	Preserved	Preserved	Preserved	Preserved
Hetrogenious Elements	Allowed	Allowed	Allowed	Allowed
Null Insertion	Allowed	Allowed	Allowed	Allowed
Underline Data Structure	resizable or growable array	Double linked list.	resizable or growable array	-
Legacy Class	No	No	Yes	Yes
Synchronised Methods	No	No	Yes	-
Thread	Not Safe	Not Safe	Safe	-
Initial Capacity	10	No Initial Capacity	10	-
New Capacity Formula	Current Capacity * 3/2 + 1	-	Current Capacity * 2	-
Version	1.2	1.2	1.0	1.0
Best for which operation	retrieval	insertion and deletion in middle	retrieval	LIFO