Sorting Algorithms Animation (toptal)

Difference between unstable and stable?

* Oblivious Bubble Sort
  + unstable and unoptimised bubble sort
* Bubble Sort With Early Exit
  + stable bubble sort that terminates when there have been no exchanges in one pass
* Insertion Sort
  + standard insertion sort
* Selection Sort
  + standard selection sort
* Merge Sort
  + normal merge sort
* Vanilla Quick Sort
  + normal quick sort (pivot is the last element)
* Quick Sort Median of Three
  + pivot is the median of first last and middle elements
* Randomised Quick Sort
  + list is shuffled then vanilla quick-sorted
* Shell Sort Powers of ~~Two~~ Four
  + shell sort with intervals ..., 4096, 1024, 256, 64, 16, 4, 1
* Shell Sort ~~Sedgewick~~ (Sedgewick-like)
  + shell sort with intervals ..., 4193, 1073, 281, 23, 8, 1
* Psuedo-Bogo Sort
  + choose two random array elements, if out-of-order then swap, repeat