Use Case Diagram Description：

User can choose to learn different types of sorting algorithm.

Animation:

The software provides animation for each sorting algorithm. It will show the sorting process of its corresponding sorting algorithm. Users can adjust the animation to their requirements (Pause, step forward/backwards). Besides, users can change content of animation by changing the default input array. Users can choose to set the input array in two ways: select randomly or in decreasing order by the software or set it manually.

Exercise:

After learning, users can practice by doing exercise. There are two types of exercise, multiple-choice questions and pseudo-code exercises.

For the pseudo-code exercises, users can deepen their understanding of sorting algorithms by writing their code, to do this, users need to drag the pseudo-code block provided by the software, then splicing the blocks. The software will check whether the blocks are in the correct order and tell users the result.