

# System Testing

Operation	Test Case	Results
Select algorithm	Click the different algorithms on the left panel	The user can view the relevant information and control panel of the specific algorithm
Play the animation	Click on the play button in the control panel to play the animation once the data is loaded	The user can see the animation on the middle panel
Trace the steps of the step	<ol style="list-style-type: none"><li>Once the data is loaded, click on the right arrow in the control panel to display the animation step by step</li><li>Click on the left arrow to traceback one step</li></ol>	The user can view each step of the animation and trace back to see the updates of each step.
Adjust animation speed	Slide the sliding bar on the control panel to control the speed of the animation	The user can accelerate the speed of the animation by sliding the bar to the right and decelerate the speed by sliding to left
View pseudocode	Click on the "Code" button on the right panel	The user can view the pseudocode on the right panel
Expand and collapse pseudocode	<ol style="list-style-type: none"><li>Click on the right arrow that appears on the left of pseudocode to expand</li><li>Click on the down arrow that appears on the left of the pseudocode to collapse</li></ol>	<p>The user can view the detailed implementation of functions that used in a specific algorithm</p> <p>The user can hide the detail implementation and skip the animation of functions used in a specific algorithm</p>
View explanation of pseudocode	Click on the tiny "page" button that appears on the left of pseudocode to view the explanation	The user can view the explanation of a specific line of code on a pop-up box that appears at the bottom the pseudocode