

Use case name	Player makes 5 times mistake																		
Goal In Context	A player plays the quicksort game and makes 5 mistakes, the game should terminate.																		
Preconditions	The player started the game successfully																		
Successful End Condition	The game ends itself and show the message of “no chance left”																		
Failed End Condition	The game continue to let the player to play																		
Primary actors	The player and the game																		
Secondary actors	None																		
Trigger	The player makes 5 mistakes in total before successfully complete the game.																		
Included Cases	Check correctness																		
Main Flow	<table> <thead> <tr> <th>Step</th><th>Action</th></tr> </thead> <tbody> <tr> <td>1</td><td>The player starts the game</td></tr> <tr> <td>2</td><td>The player select number for i and number for j</td></tr> <tr> <td>3</td><td>The player clicks swap to swap i and j</td></tr> <tr> <td>4</td><td>The program check if this is correct move</td></tr> <tr> <td colspan="2">include: :Check correctness</td></tr> <tr> <td>5</td><td>Loop 2-4</td></tr> <tr> <td>6</td><td>Error count hit 5 times</td></tr> <tr> <td>7</td><td>The game ends itself and display the ending msg</td></tr> </tbody> </table>	Step	Action	1	The player starts the game	2	The player select number for i and number for j	3	The player clicks swap to swap i and j	4	The program check if this is correct move	include: :Check correctness		5	Loop 2-4	6	Error count hit 5 times	7	The game ends itself and display the ending msg
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