

Sudoku challenge

The idea of this assignment is to make a working Sudoku game in java. This is a challenging way to find out how someone thinks and how creative he/she is. How you develop the assignment is up to you, as long as the html generation is in java (server-side) and the front-end in html/css. The use of frameworks, ajax and/or databases is up to you.

What are the parts:

1. Make a sudoku generator that generates a sudoku playing board in a browser, like the right image below, with some cells empty, some filled.
2. Refreshing the webpage should generate a new board, prefilled like above. A webform or ajax will be needed to send the filled in answers to the server to check for correct answers.
3. Develop the checking functions to check if the filled in numbers are correct, show the user directly and filling in a number if it's correct or not. Check the full table at once is ok too.
4. *Extra:* Make a virtual player that with 1 button click fills the table with correct answers.

1	2	3	7	8	9	4	5	6
4	5	6	1	2	3	7	8	9
7	8	9	4	5	6	1	2	3
2	3	1	8	9	7	5	6	4
5	6	4	2	3	1	8	9	7
8	9	7	5	6	4	2	3	1
3	1	2	9	7	8	6	4	5
6	4	5	3	1	2	9	7	8
9	7	8	6	4	5	3	1	2

1								6
		6		2		7		
7	8	9	4	5		1		3
			8		7			4
				3				
	9				4	2		1
3	1	2	9	7			4	
	4			1	2		7	8
9		8						

Good luck!