

The Japanese Puzzle Factory - Rebecca Peretz has a passion for riddles and puzzles. Her favorites are the Japanese logic puzzles that have become very popular in recent years. Rebecca and a few of her friends have begun work on a new website called The Japanese Puzzle Factory where they plan to create and distribute Japanese-style puzzles. Eventually, the JPF website will include interactive programs to enable users to solve the puzzles online, but for now Rebecca is interested only in the design and layout of the pages. You have been asked to help by creating a draft version of the web page describing the Sudoku puzzle. Figure 6-50 shows a preview of the design and layout you will create for Rebecca.



Rebecca has created some of the content and designs for this page. Your task is to complete the page by entering the HTML code and CSS styles for the Sudoku table. To create this table, you work with nested tables in which each cell of the outer 3×3 table itself contains a 3×3 table.

Complete the following:

1. Using your editor, open the **jpf_sudoku_txt.html** and **jpf_sudoku_txt.css** files from the directory which you cloned from the repository distributed via GitHub Classroom. Enter your name and the date in the comment section of each file, and save them as **index.html** and **jpf_sudoku.css** respectively.

2. Go to the `jpf_sudoku.html` file in your editor. Add a link to the `jpf_sudoku.css` style sheet file to the document head.
3. Within the `section` element, insert a `table` element that will be used to display the Sudoku puzzle. Give the `table` element the class name *`spuzzle`*.
4. Add a caption to the *`spuzzle`* table containing the text *`sudoku`*.
5. Create a table header row group containing a single row. The row should display 10 heading cells. The first heading cell should be blank and the remaining nine cells should display the digits from 1 to 9.
6. Create the table body row group containing nine table rows with the first cell in each row containing a heading cell displaying the letters A through I.
7. After the initial table heading cell in the first, fourth, and seventh rows of the table body row group, insert three table data cells spanning three rows and three columns each. Altogether, these nine data cells will store the nine 3×3 boxes that are part of the Sudoku puzzle.
8. In the first row of the table body row, put the three table data cells you entered in the last step in the `greenBox`, `goldBox`, and `greenBox` classes, respectively. In the fourth row, the three data cells belong to the `goldBox`, `greenBox`, and `goldBox` classes. In the seventh row, the three data cells belong to the `greenBox`, `goldBox`, and `greenBox` classes.
9. Go to each of the nine table data cells you created in the last two steps. Within each data cell, insert a nested table belonging to the `subTable` class. Within each of these nested tables, insert three rows and three columns of data cells. Enter the digits from Figure 6-49 in the appropriate table cells. Where there is no digit, leave the data cell empty.
10. Save your changes to the file, and then return to the `jpf_sudoku.css` style sheet in your text editor.
11. You start by creating styles for the outer table. Go to the Table Styles section and create a style rule for the `table` element of the *`spuzzle`* class that:
 - a. sets the table borders to collapse,
 - b. sets the top/bottom margins to 0 pixels and the left/right margins to auto, and
 - c. sets the width to 90%.
12. For every `td` element, create a style rule that:
 - a. adds a 5-pixel outset gray border and
 - b. sets the width to 33.3%.
13. For every `th` element, create a style rule that:
 - a. sets the font color to gray and
 - b. sets the right and bottom padding space to 10 pixels.
14. Next, you create styles for the inner table that is placed within each cell of the outer table. Go to the Inner Table Styles section and create a style rule for the `table` element of the `subTable` class that:
 - a. sets the table borders to collapse and
 - b. sets the width to 100%.
15. For every `td` element within the `subTable` table, create a style rule that:

- a. adds an inset box shadow with offset values of 0 pixels in the horizontal and vertical directions with a blur of 15 pixels,
 - b. adds a 1-pixel solid black border,
 - c. displays the text in a blue font,
 - d. sets the cell height to 40 pixels, and
 - e. centers the cell text in the horizontal and vertical directions.
16. For every `td` element that is nested within a `td` element of the `goldBox` class, create a style rule that sets the background color to `rgb(228, 199, 42)`.
17. For every `td` element that is nested within a `td` element of the `greenBox` class, create a style rule that sets the background color to `rgb(203, 229, 130)`.
18. Save your changes to the style sheet and then open the `index.html` file in your browser and verify that the table layout and design match that shown in the figure above.
19. Save your changes to the file and then reload the contents of the comic book pages in your browser and preview the printed pages. Verify that the printed page displays only the website logo, the name of the comic book, and the comic book panels.
20. Commit all of your unstaged files and push them to the remote repository created for you in GitHub. Copy the URL of the repository and paste it in the link section of the assignment post in Google Classroom. Be sure to turn in this URL as a part of your final submission for this assignment or you will automatically receive a 0.
21. Go to your GitHub repository and enable GitHub pages for this project. If this feature is not enabled, you will automatically receive a 0 for this assignment.