Tutorial 2 Report

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HTML:

  The HTML files include the basic components of the webpage, such as headers and body. The body component is composed of several <div> to represent more detailed components. For instance, the information hub which shows the number of available seats in the waiting list. Other components are designed for adding guest with specific names into the waiting list and remove the guest from the waiting list. Moreover, a more detailed table can also be displayed if the staff clicks for displaying the table.

JS:

  The JS part mainly controls the logic of display and data.

  For display control, JS will choose to hide or display certain divisions in the HTML files. For instance, when the user click display table, the table will be shown, and other irrelevant components will be hidden.

  For data control, the JS mainly maintains several arrays named waiting list to play a role as a queue. Every time the staff adds a guest into the list, the relevant information from the guest will be placed at the end of the corresponding queue. When the staff clicks remove guest, the corresponding information of the guest will be removed based on FIFO rule. Moreover, when the queue is full or the queue is empty, the staff is prevented from adding or removing guests. The script will also check whether the phone number entered is valid.

CSS:

  In the CSS part, I designed specific style for buttons, header and tables. The font-size and font-family is chosen specifically for a better-looking UI. Some other highlights includes when you put your mouse on the row of the table, the specific row will be highlighted.