

Design & Build Lab (DaBL) reservation system (HTML and JS)

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DaBL reservation system (HTML and JS) overview

The DaBL reservation system intended for the users who want to reserve machines at DaBL. The DaBL reservation system split into two-part, front-end HTML and back-end PHP, this documentation is focused on explaining the front-end HTML and JavaScript code. The HTML is directly presented to the viewer and the javascript determines the behavior of that html. There is css included in the <style> tags, but it is observably explanatory and purposed only for aesthetics.

This HTML/JS documentation is for the reservation system of Design and Build Lab. It will describe all the functionalities in this system. Users can easily edit or add new features through this documentation. HTML and JS functionalities are written into one HTML file. **index.html.**

Administrators can maintain the back-end PHP for the DaBL reservation system through the instructions of this documentation.

Code Layout

The following sections describe the main sections you will interact with and their purposes.

Example Code Change and Tutorial

Add a new machine:

1. **Add a new machine calendar to associated gmail and copy and paste the provided iFrame (note, the calendar settings provided in gmail: dablprojectau@gmail.com with the password “gradstudentgroup” should be followed)**
 - a. **Set the display to none**

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- i.

```
<iframe id = "newCal"
src="https://calendar.google.com/calendar/embed?src=atek4qnqophi3fenco44m19v7o%40g
oup.calendar.google.com&ctz=America%2FNew_York" style="display: none;"></iframe>
```

2. Add a radio button for that machine

- a.

```
<input type="radio" name="machine" id = "New Machin" value="New Machin"
onclick="showYourCal()"> New Machine <br>
```

3. Inside the script tags, create a variable for your machine calendar

- a.

```
var newCal = document.getElementById('newCal');
```

4. Create a function to show that machine calendar and hide the others on radio button click (this is the showYourCal() function noted above)

- a.

```
function showLaserCal() {
```
- b.

```
allOtherCals.style.display = 'none';
```
- c.

```
newCal.style.display = block;
```
- d.

```
newCal.width = calW; ----> set width
```
- e.

```
newCal.height = calH; ----> set height
```

Change calendar sizing:

1. For this, simply change the global variable values “calW” and “calH”. There is no need to individually adjust sizing unless required

Change time restrictions:

1. Locate this line:

- a.

```
<input class="form-control d-inline" type="time" id = "endTime" name="usr_time" min = "13:00"
max="20:00" style="width: 200px;">
```
- b. adjust min and max timing as desired. Note military time is applied

In the event that you would like to change something not covered, you are welcome to email is3923a@student.american.edu for support.

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