

## Assignment Two

<https://dev212.otago.ac.nz:8443/~rvillafuerte/assignments1343876>

### Description of Application:

The application – booking page is all about a camp website that allows users to browse various campsite accommodations with descriptions and prices. It enables customers to make a booking of the chosen campsite. This all happens in the booking.php page. The CampBooking.js file which is adapted from Nick's assignment1 answers, pre-validates the checkin and checkout date clashes, and enables available campsites for booking. bookCamp.php then receives the inputs once submit button is clicked and does a post-validation of all the inputs before it successfully adds the data to bookings.json.

On the other hand, the application's admin page allows the staff to cancel booking, edit, add or delete campsites. These forms take place in the admin page but each is taken care of by different files.

The cancel form allows staff to select the booking that needed cancelation. This is taken care of by the cancelBooking.php. It unsets the entry from bookings.json.

The add form allows staff to add campsite details. addCampsite.php will check that the number entry does not have any duplicate amongst the existing campsite numbers otherwise an error will occur. Also, it requires only digits with a max length of 3 int for the number and all fields to be filled. Once successful, the entry will then be added to campsites.json.

The edit form allows staff to select which campsite needs editing. editCampsite.php only allows campsites with no existing booking to be edited and no duplication of campsite numbers. Same with addCampsite, all fields should be filled, and new number should only be digits with 3 integers.

Lastly, deleteCampsite form will let staff select campsites that needed deletion. deleteCampsite.php will ensure that no campsite with existing booking will be deleted.

### Third Party Code:

I have used apache (xampp control) to execute my php files on my computer. I have adapted Nick's CampBooking.js to validate date clashes and to enable booking for available sites and disable those that are not.

I also imported from pictures from Wikimedia and freepik.com.

### Testing:

Testing wise, I test the application several times. I made bookings with null and incomplete inputs, and erroneous dates. In the computer lab, I struggle for the if conditions to work.

All throughout, bookCamp.php still booked the erroneous inputs. This is a part of my problem. When I changed to my own machine. It was able to validate the inputs correctly, filtering those errors. Through time, it was all fixed. Although, the other testing I made for with the other files specifically the admin page seem to have work just fine in the lab.

I also let my partner make a booking, add , edit the campsite details and delete campsites. All tests were successful.

### **Problems:**

Browser issues – I have experience many inconsistencies while using the google chrome and mozilla firefox browsers in the lab. Chrome does not show the radio buttons on the booking page, causing for the tests to fail. I had to shift machines to ensure that my code is working and it is just browser issues.

I am currently having trouble uploading it to gitlab.

I am also having trouble adding this file to sapphire. I initially created a file with a PDF extension but an error occurred.

Overall, updating json files were straightforward, the difficult part was more on the uploading, submitting and testing the files in different browsers.

### **Enhancements:**

I was planning to make a form allowing users to make a review on the campsite but I ran out of time. I extracted the reviews.json entries and displayed them in a carousel on index.php. I also added some photos of tents, cabins and campervans.

I added filters on input to ensure the data are valid and acceptable.