

Extra Features and Main Issues

The main extra feature of the website is that it displays the already booked dates as a calendar in html. This is done using JavaScript and is done between script tags so python variables can be inserted into the JavaScript. The calendar displays booked dates in red and says booked on the calendar cell. It is possible to view any month from the current or successive year meaning users can request booking far in advance

The booking form also uses lots of different validation when a booking is requested. It checks that the date format is correct, that the end booking date is not before the start date, that the user is not trying to book a past date and that the date is not already booked. Posting a request sends the user to another page where they are either notified that there booking request has gone through and if it hasn't it tells them which of the errors have occurred. The format checking is done using regex.

To create the calendar the start and end date of a booking would need to be converted into a start date and a length. There was also the extra trouble of getting the dates into the JavaScript. The Python built in DateTime module is used as it has an overridden subtract operator that returns a timedelta object. This object can then be used to get the number of days between the two dates. Each start date and day length was then passed to the web page. The list was then turned into a JavaScript array by using the Jinja2 for loop and appending the variables as text to the JavaScript array.

There is a simple 404 page to notify the user that they have entered a URL incorrectly. The 404 page still contains links to the other pages on the website so the user can carry on navigating the website after the 404.