HIKE & HUT

tourism New Zealand – Write up

Thursday 13th December, 2017

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Library and Plugins

jQuery was mainly used as the foundation libraries for this web application. The use of jQuery was heavily used as it allowed for short hand code and to condense the code. Parsley was used for form validation, this was used to minimise development time and it also allowed for a lot of customisation.

Parsleyjs.org

Plugins / Third party JavaScript API

Materializecss API

I used Materializecss widely throughout my web application for UI components. This plug-in is user friendly and they have refined animations and transitions for a smoother experience. The components I used were the buttons, icons, image cards, input fields and date picker.

Materializecss.com

Mapbox API

MapBox API was used in the background of my web application, the JavaScript was used to place location markers on the map dependant on the location picked.

www.mapbox.com

Awesome-fonts

I also used Font Awesome icons in my web application as some icons were not available in Materializecss, their icons were also easy to customize and change the sizing very easily.

Fontawesome.io

Production Tools & Software

I used a number a of production tools to aid my productivity and improve my quality of work. The following tools below were used.

GitHub

Github was used to manage files.

https://github.com/careykwan/Hike-hut-final.git

Asana

Asana is a task manager, this helped me to organise and track my work and progress. Notes and re-minders, bugs were all kept in Asana, their time-line features also helped me track my progress and they had features to tick tasks off and remind me on pending deadlines.

Asana.com

Koala

Koala was used to run and convert SASS.

http://koala-app.com/

Gulp

Gulp is a linting tool and it has been installed into my project to check the quality of JavaScript code and errors. Errors come up instantaneously and give you hints on where these errors are occurring making it easy to fix.

Google developer

Google developer was also used to debug.

Sublime text 2
I used Sublime text 2 for my text editor.

Functionality & UI

The interface and functionality have been carefully planned out and developed to be user friendly and a easy navigating website leaving no room for error for wayfinding through the web application. Headings, submit headings have been ordered by hierarchy and size, buttons are bold and easy to find. The transitions are smooth to ensure a user friendly website and JavaSrcipt code has been carefully

Validation

Parsley was used to validate the form, if users did not select an input, a message would appear in red telling them to select an input. If users are clicking on the input the box outline will be highlighted to let them know that box has been selected. As well as using Parsley as a form validator, I also coded my own validation for each input to ensure the users are shown the correct information and input choices in the following inputs. When the amount of people are picked the types of accommodation are only available based on the users input. Once the accommodation type is chosen, they are able to choose meal options and then pick the dates, there is a minimum and maximum amount of nights for each type of accommodation type, if users don't input the correct nights and proceed to click the 'check availability', they are prevented to proceed to the next page. The validation ensures the users to complete the inputs correctly so they can be shown the correct selections at the end.

IF THE CHECK AVAILABILITY BUTTON IS CLICKED,
RED TEXT POPS UP TO INDICATE THEY ARE REQUIRED.

WHEN THE AMOUNT OF PEOPLE IS SELECTED,
IF FILTERS OUT THE ACCOMMODATION THAT IS
NOT AVAILABLE

IF ONE INPUT IS FORGOTTON THE ERROR MESSAGE
WILL STILL APPEAR UNTIL ALL INPUTS ARE SELECTED.

IF THE DATES ARE NOT ENTERED CORRECTLY AND
CHECK AVAILABILITY BUTTON IS CLICKED ON THEN A
MODAL POPS UP WITH MESSAGE.

User feedback and changes

User testing was conducted and feedback was gathered after the initial website was completed. The user testing led to an extra modal. The user was confused when invalid dates were selected and the check availability button was clicked on but no error messages came up.

I added an extra modal that pops up and lets the users know that invalid dates were selected, when they click on the close button it emptys the values of the original dates selected to prevent further errors.

FIND YOUR ACCOMADATION

Number of people

2

Accomodation Type

Hut (min 1 night, max 10 nights)

Meal options

Breakfast $15 p

PLEASE ENTER CORRECT DATES!

✖

Staying From: 18

Staying To: 12 January, 2018

◀ Previous

CHECK AVAILABILITY

Time Line

My timeline was managed through the Asana, this helped me plan my entire project and I was able to set tasks, dealines and tick them off once they were completed.

The calender was a good feature as it helped me visual see my project and how I was tracking.

WEEK ONE

Write website proposal/ document: Defining what I will produe. Due November 24th

Achieved

Set Deliverables to be developed. Due Novemeber 27th

Achieved early

Timeline chart for development for each deliverable. Due November 27th

Achieved early

Case diagram showing who the users will be and how they will interact with it. Due November 24th

Achieved

Create user flow. Due November 27th

Achieved - this took a little longer than expected, as I kept tweaking it.

Research style, imagery and inspirations. Due November 28th

Achieved

Design logos and concepts. Due November 27th.

Achieved on the 28th

Create prototype on ux pin. Due November 29th

Achieved

Forming UX Docs etc - Checking Mapbox, other API's, plugins and frameworks. Due November 28th.

Achieved after forming html & css files.

WEEK TWO

Create html and css files, smaccs and sass. Due November 28th

Achieved after the date.

Add my plugins, cdns. Due November 29th

Achieved after the date.

Start creating javascript style guide.

Achieved

WEEK THREE

Code mapbox and locations/ routes and markers. Due December 11th.

Achieved this on the 4th December.

Start coding form - output. Due December 11th.

Achieved early on the 10th even though it took me longer than anticipated.

Plug in Validation and code extra parts. Had no date due for this.

Achieved

Night and meal cost calculation and display. Had no date due for this.

Achieved

User test website and debug. Due 13th.

Achieved

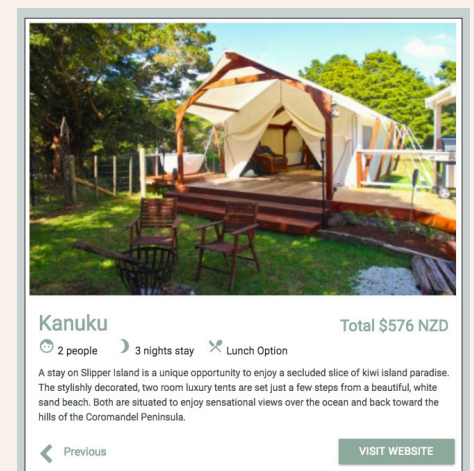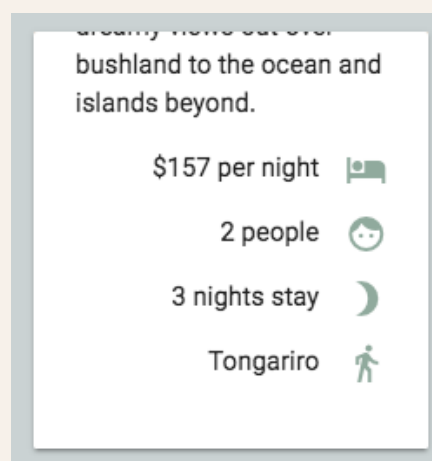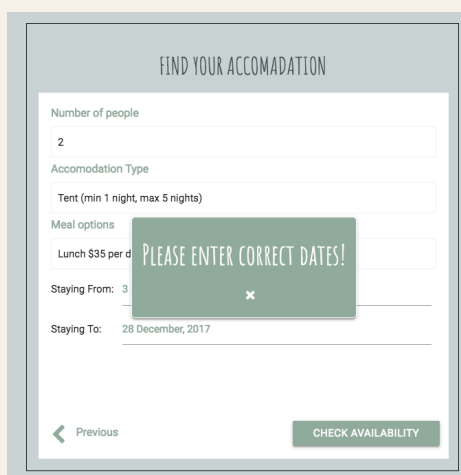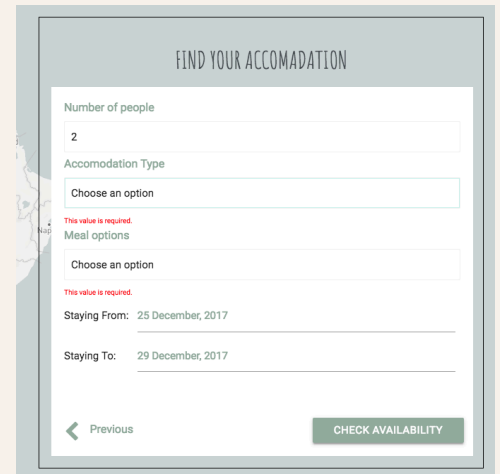Complete website and hand in work. Due December 14th, 3.30pm.
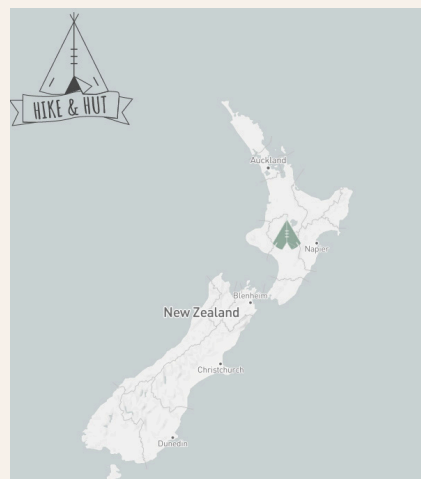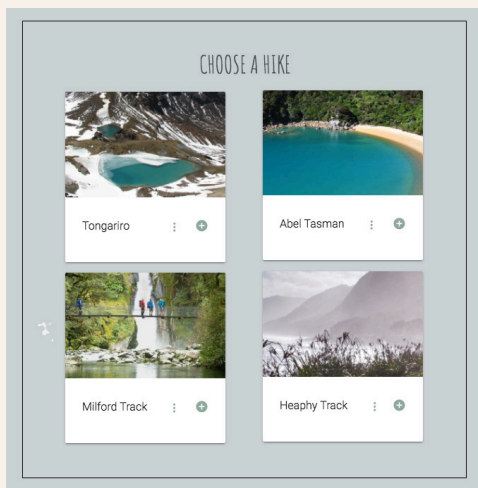
Achieved.

Deliverables met

My set deliverables were:

- The web application must have a point of difference, a theme that will draw specific users to the website.

- A map for users to see location options, so they have an idea of the region of where they are booking. A working form which provides meanigful feedback and validation.

- Displays correct information and selections based on the users input

- Summary of what the users selection and a link for them to book.

These were all met and are viewable below:

ERROR DEBUGGING

ERROR
Form button when click refreshes website instead of proceeding to the next page.

SOLUTION
Had to add a function for the button to prevent defualt.

ERROR
Validating people and showing the next step.

SOLUTION
Had to find the correct syntax to select value.

ERROR
<i> not being able to use as a click button.

SOLUTION
Had to change it to button tag for it be able to be used as a click event.

ERROR
'show availability' button required two clicks to validate and move to next page.

SOLUTION
This bug fixed it self as I added another click function to this same button and remove the show function.

ERROR
If users selected the amount of people and then went back to change the input, the validation would not reset to display the correct selections and the second try.

SOLUTION
Had to run another function which grabbed the variable re-did the function, but then I figured out I just needed to show the selections again by manipulating the Dom.

ERROR
Check availability button did not show validation if dates are entered incorrectly.
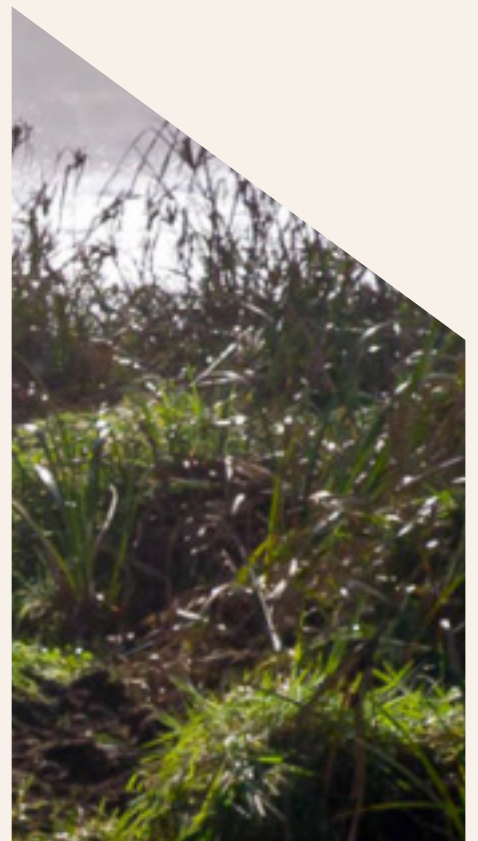
SOLUTION
Added a modal pop up to let users know they had entered the wrong dates, once they clicked on the close button, it also emptys the values.

ERROR
If meals are selected and re-selected again, this messes up the math and has error total amount.

ERROR
Instead of using a push method, I had to use the unshift method, which adds an item to the start of the array. I then called the first item in that array for the math calculations.

RELECTIONS

On reflection I feel like I have completed and created my web application to the best of my ability and what I set out to do given the time frame. I have planned the production of the website well and set my time frames for each task well. Some tasks took longer than expected which delayed the next task but I was always able to catch up with it again. There were some difficult obstacles that took me longer to code than expected such as validating the forms and coding the date range validation.

If I had more time, I would like to have made my website fully responsive for mobile, it is created for ipad landscape but can also be viewed in portrait and on desktop at the moment.

FINAL PRODUCT AND LINK TO WEBSITE   https://careykwan.github.io/Hike-hut-final/