

Nigel Script for Galaxy Presentation

(Navigate to ‘The Build and Technologies’ slide)

Thank you Christine. I am Nigel Finley but in the wizardry world they call me Ron. Let's discuss the build and technologies we have used for Day With Your Dog.

Next slide please.

SLIDE: Webpage design

The user interface and its design.

Before we started building or designing anything, we all agreed that the design had to be simple, elegant and user friendly. During our research we found sites to be inconsistent, cluttered and non user friendly like Bark Happy and Yelp.

So we have created a user interface that we hope to be a simple and elegant design using HTML5, CSS3 and the Materialize framework which is based on Google's Material Design. We decided to start with the design of the page first before writing any javascript in order to easily put information on a page we felt comfortable interacting with.

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SLIDE: Additional Browser-Based Languages/Libraries

Additional Browser-Based Languages/Libraries. To handle all of our logic we used Javascript. To handle our user clicks we integrated the jQuery library and as one of our new technologies used we implemented the Underscore library to update the webpage with our display cards (which you will see shortly). The way underscore templating works is you hard code what would otherwise be dynamically updated in your html as html syntax and pass through the parameters you want to update by calling your template within your javascript file.

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SLIDE: Data Gathering: APIS

Data Gathering and our APis. The entire functionality of our website is based on locating the user and then being able to find parks, bars or restaurants located close to them. So, the first

piece of information we need in order to make our site work is the user's location. We have integrated Google Maps which (after the user allows for geolocating) will automatically find the user. If the user denies our request to geolocate our site will not work properly.

We currently have three categories the user can choose from to plan their day with their dog. Eat. Drink and Play. We used the Yelp API to pull both the restaurants and bars information and we used the Austin Parks API (yes they actually have an API) for the off-leash dog parks in Austin.

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SLIDE: Backend

Finally, the backend. On the backend we are using Node.js to pull the restaurant and bar data, from yelp which we then pushed to Firebase. Node allows you to run it on its own, behind the scenes in the terminal whereas AJAX you need to run in the browser.

Since the current project scope is only for Austin we have decided to save all of the API results to Firebase instead of populating them in real-time.

For our 'contact us' submission form we used the server side language, PHP to collect and send the inputted data.

Lastly, for the time being and until Day With Your Dog goes global, Heroku is being used to host our site.

Now, Saidi will walk you through a live demo of our project.