# IT331 Project

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### Project 3

This website can be viewed on the public internet at the following URL: <http://mason.gmu.edu/~jyeoman2/it331/project>

#### Website Pages

* index.html
* This is the homepage. This page includes an introduction to the application and the website. The page also includes a GIF image (created by me), as well as a feature table.
* *Changes Since Project 2:* I have redone the features table to now use a JSON dataset and Spry Data, instead of being static data. The feature table now also has mouseover and mouseout hover effects. The homepage header now animates and slides into the page from the left on page load.
* jukebox.html
* This page outlines the details and progress of the Jukebox mode feature of Echelon. This page also contains a GIF image (created by me).
* dj.html
* This page outlines the details and progress of the DJ mode feature of Echelon. This page also contains a PNG wireframe (created by me) of how I plan on making the DJ mode look.
* allcast.html
* This page outlines the details and progress of the AllCast mode feature of Echelon. This page also contains a PNG image (created by me).
* invite.html
* This page contains a form allowing the user to sign up for the Echelon closed Alpha. Since this form does not currently function outside of the UI, I have linked the user to my real closed Alpha sign up form.
* *Changes since Project 2:* The invite page now has an Echelon idea field. A button can be pressed to add more idea fields to the form. This satisfies the Dynamic Content requirement.
* features\_data.json
* This file (or "page") is located in the assets folder. It is a new file that stores the JSON data for the Spry Data requirement of this project. This would be my sixth "page" for the project.

#### Project Requirements

1. 6 Minimum Pages (including json data) This project contains a total of five pages. The pages include the homepage, three different pages describing each of the major features of the app, and an invitation request form. There is a simple and clear navigation bar on top of every page that links to each other page.
2. Coding Requirements  
   The main.js file contains many comments to explain each variable declaration and each major structure. I have written the code with readable variable names and there is ample spacing and easy readability.
3. Modifying Page Content Dynamically  
   This is implemented on the 'Request Invite' page. A user can submit ideas they have for the app. If the user wants to add more than one idea, they can press the 'Add idea field' button. When the button is pressed a new text input field and 'remove' button is added. If they press the remove button, that particular idea field is removed.
4. Modifying Page Styles Dynamically  
   This requirement was implemented rather simply. On the 'Request Invite' page a user can select their favorite color. When they pick a color, it changes the label of the color picker field to that color. This works every time they pick a new color!
5. Rollover Effect  
   This requirement is implemented on the home page. The feature table now has a hover effect on each row. When the user hovers a row, the background color changes to a darker color and the text turns white. When a row is moused out, it returns to normal.
6. Scripted Animation  
   I added the scripted animation to the homepage. The homepage header now slides in from the left on page load. This works by starting off with a css margin-left of -800px. The Javascript interval then adds 5px every 10ms until the margin-left is 0.
7. XML or JSON File & Spry Data  
   This requirement is satisfied by the redone features table on the home page. I have converted the once static data into a JSON data format. I am referencing this JSON data file and rendering the new table on the page based on the contents of the JSON data file using Spry Data.
8. HTML Validation  
   All HTML pages have passed the [Nu HTML5 validator](https://html5.validator.nu).

This website uses grunt for HTML includes and image minification.

The output html and image files are placed into the dist/ folder which I upload to the Mason cluster server.

You can view the source code for this website on [it's Github page](https://github.com/YeomansIII/IT331-Project).