**Shred Cast**

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**Introduction/Concept**

ShredCast is an app geared towards skiers and snowboarders as an easy way to access information about your favorite mountains. ShredCast is unique in that it also allows the user to indicate their top condition ratings, which will be factored in to a score to create a score unique to your interest. This allows users to quickly see which one of the mountains will be the best pick, this is especially useful for areas where mountains are in a close vicinity.

**User Story:**

* User opens page (Load HTML page)
* Begins on mountain selection screen
* User searches/selects mountains via checkboxes
* Clicks “Conditions” tab and selects preferred conditions (snowfall, # of lifts open, etc.)
* Clicks “GO” to update main page
* Shows the five mountains organized by rating on the “Rankings” page.
* Mountain rank is based on the score created from your preferred conditions
* Click on any of the mountains will take you to that mountain’s website.
* Manage your rankings by returning to the other two pages to change the mountains you wish to display as well as your preferred condition ratings.

**Tech Story**

1. .       Load HTML
2. Takes in button inputs when user selects mountians and attributes
   1. JSON database is loaded which contains mountain JSON objects with “Name, state,
   2. Temperature, snowfall in the last 24hrs, snow today, acres open, terrain open, lifts open, runs open, wind speed
3. When they hit go
4. Load JSON
5. An array list of mountain is checked against  JSON list
6. A score is devised based off of your inputs of attributes and creates a score
7. Each selected JSON mountain gets a score and then is sorted
8. Those containers are taken and formed into divs with sub classes full of attribute data
9. These are shown.
10. Back button slides screen to the left and clears local JSON list
11. Allows user to reselect
12. Clicking on mountain takes you to the mountain’s commercial homepage

EXAMPLE:   <div class=”mountain”>

<div class=”attributes>

<h2 class=title> Loon Mountain</h2>

<h2 class=score> 73</h2>

<ul>

<li> Snow: 34 in </li>

<li> Wind: 20 mph from the west</li>

<li>Trails:70</li>

</ul>

</div>’

    </div>

**Site Map/ Wire Frames**

Mountains

Conditions

Score

**Milestones**

**Week 1**

Max: JSON database being constructed

Evan: Initial research on communicating between JSON and Javascript as well as beginning to write code to synthesize database info

Nathan: Initial framework for website’s front end

**Week 2**

Finish previously mentioned work

**Week 3**

Max: #6

Evan: #5 and #7 on tech story list

Nathan: #8

**Week 4**

**Blue Sky Goals**

**Create a multi page site that pulls data from a local database or hard drive of 20 or more mountains stored in a JSON document. The site will have a search bar, buttons, and drop down menus for selecting what mountains and attributes someone is interested in. Once one has collected what they want to ski and hits go the script creates HTML containers for the data from each mountain  and styles them accordingly. The containers will be organized by a rating on how well the mountain fits the needs you selected.  All of the attribute data is shown in the mountain div such as snowfall and when clicked on the page brings up a larger more detailed view of the conditions on the mountain.**

**Well Shit Goals**

**Create a three “page” site that pulls data from a local file of 10 mountains stored in a XML document. The site will have buttons to select what mountains and attributes one is interested. Once one hits go the selected mountains create div containers and display relevant info about the mountain. The containers are sorted by a rating on how well the mountains fit your selected attributes. If one clicks on a mountain they are taken to the commercial website of the mountain.**

Original Concepts:

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