Evidence Submitted

Quarter 3

Plan

First half:

- Continue coding the body of the website

- Add the images and additional content

- Add any needed adjustments to the design, colors, and images (CSS)

Last half:

- Complete video tutorial, evidence packet, and report or progress

Testing

This quarter was a lot of trial and error, because I had to experiment with a lot of things I'm not familiar with.

I needed to figure out how to create the college search feature of my website - and there was no easy way to do it.

I ended up deviating from my original idea to create a sort of "search engine" for schools to a table/list format that the user can access depending on the category of button they press.

This was difficult to figure out how to do because I had to implement some javascript which I have little experience with inside a HTML document.

Research

I had to research two big components this quarter...

Coding resources: I had to seek help from the internet on how to make buttons interact with a shared iframe. I used resources from W3Schools and tried different peoples ideas on Stack Flow.

College resources: I also had to research and collect data on schools. I ended up using resources from Prepscholar, Niche, U.S News and school's direct websites.

blog.prepscholar.com/colleges-that-offer-complete-financial-aid

The Best of the Best: 100% Need Met Without Loans, Regardless of Income
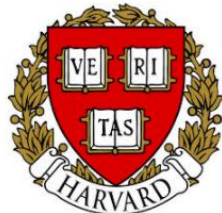
The following schools have the most generous financial aid packets. They are willing to meet **100% of your demonstrated financial need without making you take out loans, regardless of your family income**.

To illustrate what this means, let's imagine two students going through the financial aid process.

Student A's parents make $130,000 per year but have a couple of children currently attending college. After looking at their FAFSA, the schools below decide Student A's parents can make a contribution of $30,000 per year toward average yearly fees of $50,000. Student A would thus get the remaining $20,000 per year in financial aid through **scholarships, grants, and work study**.

Student B's parents, on the other hand, make just under $50,000 per year. After looking at their FAFSA, the schools below decide Student B's family should not have to contribute financially. Student B is awarded the full $50,000 through **scholarships, grants, and work study**.

All information below is taken from *US News*. Now, let's look at these crème de la crème schools:

118
Shares

Harvard has one of the best financial aid programs out there.

- Amherst College
- Bowdoin College
- Brown University
- Colby College

Website Design

I created 3 different pages that can be accessed within the same iframe by clicking one of three buttons

Button 1 - 100% Need Met Without Loans, Regardless of Income (table)

Button 2- 100% of Need Met With No Loans for Some Incomes (table)

Button 3- 100% of Need With Loans (list)

Button 1

Button 2

Button 3

Website Design - The Code

The best way to create an interactive list was with a bit of Javascript. When the user clicks a button it changes the html webpage inside of the iframe. Each of the different web pages (s1.html, s2.html, s3.html) contain their own table/list for that assigned buttons category.

The webpage displayed inside
of one iframe is changed

```html
<!-- School Search Section -->
  <div class="w3-padding-64 w3-content w3-text-grey" id="contact">
....<h2 class="w3-text-light-grey">School Search </h2>
....<hr style="width:200px" class="w3-opacity">

<button type="button" onClick="document.getElementById('frame').src='s1.html'">100% Need Met Without Loans, Regardless of Income</button>
<button type="button" onClick="document.getElementById('frame').src='s2.html'">100% of Need Met With No Loans for Some Incomes</button>
<button type="button" onClick="document.getElementById('frame').src='s3.html'">100% of Need With Loans</button>

<iframe name="frame" height= "500" width = "800" id="frame" src="s1.html"></iframe>

  <!-- End College Search Section -->
  </div>
```

JavaScript - buttons respond to users click

Website Design - The Code

I needed a quick refresher of how tables work in html and quickly got the hang of it.

I looked for alternatives to having to write in the information about each school individually (like adding an excel spreadsheet with the information already in it) but there isn't an existing spreadsheet with the schools categorized in the way I wanted so I ended up doing it myself.

I remembered how to do lists with unordered lists starting with the $<ul>$ tag and having to put $<li>$ before and behind each item. I also looked for a easier way to do this since there were a lot of list items but I also ended up doing it by hand.

I added another table column here for the other table

This is the list for "100% of Need With Loans" page

```
33    <tr>
34    ....<th>School Name</th>
35    ....<th>City/State</th>
36    ....<th>Type</th>
37    ....<th>Acceptance Rate</th>
38    ....<th>Financial Aid Notes</th>
39    </tr>
40    <tr>
41    ....<td><a href="https://www.colg
42    ....<td>Madison County, New York<
43    ....<td>Liberal arts</td>
44    ....<td>23%</td>
45    ....<td>Aid is loan-free if your
46    </tr>
47    <tr>
48    ....<td><a href="http://finaid.co
49    ....<td>Ithaca, New York</td>
50    ....<td>Private university</td>
```

```
27    <ul style="list-style-type:disk">
28    <li>Barnard College</li>
29    <li>Bates College</li>
30    <li>Boston College</li>
31    <li>Bryn Mawr College</li>
32    <li>Caltech</li>
33    <li>Carleton College</li>
34    <li>Case Western Reserve University</li>
35    <li>Claremont McKenna College</li>
36    <li>College of the Holy Cross</li>
37    <li>Connecticut College</li>
38    <li>Colorado College</li>
39    <li>Denison College</li>
40    <li>Emory University (US only)</li>
41    <li>Franklin & Marshall College</li>
42    <li>Georgetown University</li>
43    <li>Grinnell College</li>
44    <li>Hamilton College</li>
45    <li>Harvey Mudd College</li>
46    <li>Kenyon College</li>
47    <li>Macalester College</li>
48    <li>Middlebury College</li>
49    <li>Mount Holyoke College</li>
50    <li>Northeastern University (US only)</li>
51    <li>Oberlin College</li>
52    <li>Occidental College</li>
```

```
32    <table style="width:100%">
33    <tr>
34    ....<th>School Name</th>
35    ....<th>City/State</th>
36    ....<th>Type</th>
37    ....<th>Acceptance Rate</th>
38    </tr>
39    <tr>
40    ....<td><a href="https://www.amherst.edu/admission/financial_aid">Amherst College</a></td>
41    ....<td>Amherst, Massachusetts</td>
42    ....<td>Liberal arts</td>
43    ....<td>11%</td>
44    </tr>
45    <tr>
46    ....<td><a href="https://www.bowdoin.edu/student-aid/cost-of-attendance/index.html">Bowdo
47    ....<td>Brunswick, Maine</td>
48    ....<td>Liberal arts</td>
49    ....<td>9%</td>
50    </tr>
51    <tr>
52    ....<td><a href="https://www.brown.edu/about/administration/financial-aid/financial-aid-b
53    ....<td>Providence, Rhode Island</td>
54    ....<td>Private university</td>
55    ....<td>7%</td>
56    </tr>
57    ....<tr>
58    ....<td><a href="https://www.colby.edu/sfs/applying-for-financial-aid/">Colby College</a>
59    ....<td>Waterville, Maine</td>
60    ....<td>Liberal arts</td>
61    ....<td>10%</td>
62    </tr>
63    <tr>
```

Small Details

Since I couldn't include all the information about the schools in the table, and I thought it would be convenient for users, I made each school name a link to the schools' financial aid resource page.

```
32  <table style="width:100%">
33    <tr>
34    ....<th>School Name</th>
35    ....<th>City/State</th>
36    ....<th>Type</th>
37    ....<th>Acceptance Rate</th>
38    </tr>
39    <tr>
40    ....<td><a href="https://www.amherst.edu/admission/financial_aid">Amherst College</a></td>
41    ....<td>Amherst, Massachusetts</td>
42    ....<td>Liberal arts</td>
43    ....<td>11%</td>
44    </tr>
```

```
<body style="background-color:white;">
```

I found it easier to make changes to the style section in the body tag and table tag rather than going back to the css section of the document.

Since there were so many schools to add to the table, I forgot to add $$ for one of the URL's and couldn't figure out the problem.

Future

I'm a little behind where I had planned to be for quarter 3 but I think I'm in a really good place.

The main part of my website, the college search section is done and "why is financial aid important" section, that only leaves the FAFSA & CSS profile information section and I feel confident I can complete that quickly at the start of next quarter.

Home

Why Financial Aid is Important

FAFSA & CSS Profile

School Search