System description

- o The Realm of the Mad God Collection tracker was created to provide players of the video game (Realm of the mad god) a new way to track their equipment collection.
- o The website was developed using HTML, CSS, JavaScript and Vue.js.
- o The website includes features like input bindings, @media rule to change some CSS styles when screen size changes, video, and audio implementation as well as Vue lists.

Challenges

- Vue lists
  - o One major challenge was working with Vue and JavaScript in order build the checklist feature.
  - o Vue was required to build lists containing the images of the items, then using v-for to render the list.

- Checklists within collection playlists
  - o All the collections pages use Vue lists to display the images of the items.
  - o The challenge I found was creating a function in which changes the value of the opacity when clicked.
  - o I believe there would be a more efficient way of completing this feature without creating a separate function for each item.

Deviation from proposal

Features changed

- Index page
  - o The about page contains a summary if the website purpose and role regarding Realm of the Mad God instead of the index page.

Features pushed to next phase

- Completion tracker
  - o There was no feature added which tracks the percentage of items collected.
  - o This feature would be added later if I had more time.
- Item details
  - o There were no items added with there drop location and other item statistics.

Coding Concept requirements

Form input binding

- The contact page and login page both contain input bindings which display the text as the user types into the text input.

```
38      <h3>Contact us regarding bugs or other questions:</h3>
39      <div class="center_time">
40      <div id="email">
41          <input v-model="message" placeholder="email" id="login_input" />
42          <p>Email: {{ message }}</p>
43      </div>
44      <script>
45          var app = new Vue({
46              el: '#email',
47              data: {
48                  message: ''
49              }
50          })
51      </script>
52      <br><br>
53      <div id="topic">
54          <input v-model="message" placeholder="Topic" id="login_input" />
55          <p>Topic : {{ message }}</p>
56      </div>
57      <script>
58      var app = new Vue({
59          el: '#topic',
60          data: {
61              message: ''
62          }
63      })
64      </script>
65      <br>
66      <div id="message">
67          <input placeholder="Message" id="message_input"/>
68      </div>
69      <br><br>
70      <button id="login_button">Send</button>
```

```
38      <h3>Login:</h3>
39      <!--login detail section-->
40      <div class="center_time">
41      <div id="username">
42          <input v-model="message" placeholder="Username" id="login_input" />
43          <p>Username : {{ message }}</p>
44      </div>
45      <script>
46          var app = new Vue({
47              el: '#username',
48              data: {
49                  message: ''
50              }
51          })
52      </script>
53      <br><br>
54      <div id="email">
55          <input v-model="message" placeholder="Email" id="login_input"/>
56          <p>Email : {{ message }}</p>
57      </div>
58      <script>
59      var app = new Vue({
60          el: '#email',
61          data: {
62              message: ''
63          }
64      })
65      </script>
66      <br>
67      <div id="password">
68          <input placeholder="Password" id="login_input" type="password"/>
69      </div>
70      <div>
71          <p>Remember me</p>
72          <input type="checkbox">
73      </div>
74      <br><br>
75      <button id="login_button">Login</button>
76  </body>
77  </html>
```

List rendering

- This feature was utilized within the collections pages to display the item images. The id of the image is also added along with the image source.

```
60      new Vue({
61    el: '#app',
62
63      data: {
64        items: [
65          {
66            img: "./weapons/daggers/t0_dagger.png",
67            id: "1",
68
69          },
70          {
71            img: "./weapons/daggers/t1_dagger.png",
72            id: "2",
73          },
74          {
75            img: "./weapons/daggers/t3_dagger.png",
76            id: "3",
77          },
78          {
79            img: "./weapons/daggers/t4_dagger.png",
80            id: "4",
81          },
82          {
83            img: "./weapons/daggers/t5_dagger.png",
84            id: "5",
85          },
86          {
87            img: "./weapons/daggers/t6_dagger.png",
88            id: "6",
89          },
90          {
91            img: "./weapons/daggers/t7_dagger.png",
92            id: "7",
93          },
94          {
95            img: "./weapons/daggers/t8_dagger.png",
96            id: "8",
97          },
98          {
99            img: "./weapons/daggers/t9_dagger.png",
100           id: "9",
101         },
102         {
103           img: "./weapons/daggers/t10_dagger.png",
104           id: "10",
105         },
106         {
```

```
41      <div id="app">
42      <h2 class="collection_headings">Daggers</h2>
43        <img class="collection_image" v-for="item in items" :id="item.id" :src="item.img">
```

State transitions

- The navigation links used transitions to change the colour of the words when the mouse hovers over them.

```css
66   .link {
67       position: relative;
68       display: flex;
69       align-items: center;
70       text-decoration: none;
71       transition: all 0.3s ease-in-out;
72       color: white;
73       font-family: Sans-serif;
74       font-size: 22px;
75       padding: 10px;
76   }
77
78   .link:hover {
79       color: #C6AC8F;
80
81
82   }
83
84
85   ul {
86       text-align: center;
87   }
```

```html
23           <div class="dropdown">
24               <li class="parent"><a class="link" href="#">Collections</a></li>
25               <div class="dropdown-content">
26                   <a class="link" href="./weapons.html">Weapons</a>
27                   <a class="link" href="./armor.html">Armor</a>
28                   <a class="link" href="./rings.html">Rings</a>
29                   <a class="link" href="./abilities.html">Abilities</a>
30               </div>
31           </div>
```