

# Challenges #4: How Tos (Addon)

## A. Animated Buttons

### CSS

```
133 #button {
134   border-radius: 8px;
135   background-color: teal;
136   border: none;
137   color: white;
138   text-align: center;
139   font-size: 15px;
140   padding: 10px 20px;
141   width: 130px;
142   transition: all 0.5s;
143   cursor: pointer;
144   margin: 5px;
145 }
146
147 #button span {
148   cursor: pointer;
149   display: inline-block;
150   position: relative;
151   transition: 0.5s;
152 }
153
154 #button span:after {
155   content: '\00bb';
156   position: absolute;
157   opacity: 0;
158   top: 0;
159   right: -20px;
160   transition: 0.5s;
161 }
162
163 #button:hover span {
164   padding-right: 25px;
165 }
166
167 #button:hover span:after {
168   opacity: 1;
169   right: 0;
170 }
171
```

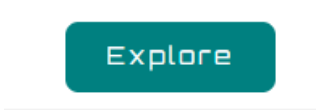
### HTML

```
<table>
  <tr>
    <th>Moons of Earth</th>
    <td><a href="https://science.nasa.gov/moon/"><button id="button"><span>Explore</span></button></a></td>
  </tr>
  <tr>
    <th>Moons of Mars</th>
    <td><a href="https://science.nasa.gov/mars/moons/"><button id="button"><span>Explore</span></button></a></td>
  </tr>
  <tr>
    <th>Moons of Jupiter</th>
    <td><a href="https://science.nasa.gov/jupiter/moons/"><button id="button"><span>Explore</span></button></a></td>
  </tr>
  <tr>
    <th>Moons of Saturn</th>
    <td><a href="https://science.nasa.gov/saturn/moons/"><button id="button"><span>Explore</span></button></a></td>
  </tr>
  <tr>
    <th>Moons of Uranus</th>
    <td><a href="https://science.nasa.gov/uranus/moons/"><button id="button"><span>Explore</span></button></a></td>
  </tr>
  <tr>
    <th>Moons of Neptune</th>
    <td><a href="https://science.nasa.gov/neptune/moons/"><button id="button"><span>Explore</span></button></a></td>
  </tr>
</table>
```

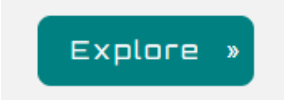
## Rendered as:

Moons of Earth	Explore
Moons of Mars	Explore
Moons of Jupiter	Explore
Moons of Saturn	Explore
Moons of Uranus	Explore
Moons of Neptune	Explore

## Not hovered



## Hovered



B. Buttons on Image

HTML

```
<section id="sun">
  <div class="text-light">
    <div class="sunback">
      <div class="content">
        <div class="container pt-5 ">
          <h2><span class="text-info">Explore</span> The Sun</h2>
          <p>
            A luminous celestial body around which the earth and other planets revolve.
          </p>
          <a href="Sun.html">
            <button type="button" class="btn btn-black btn btn-outline-info"><b>Explore</b></button>
          </a>
        </div>
      </div>
    </div>
  </div>
</section>
```

Using bootstrap 5 as CSS Framework.

Rendered as:

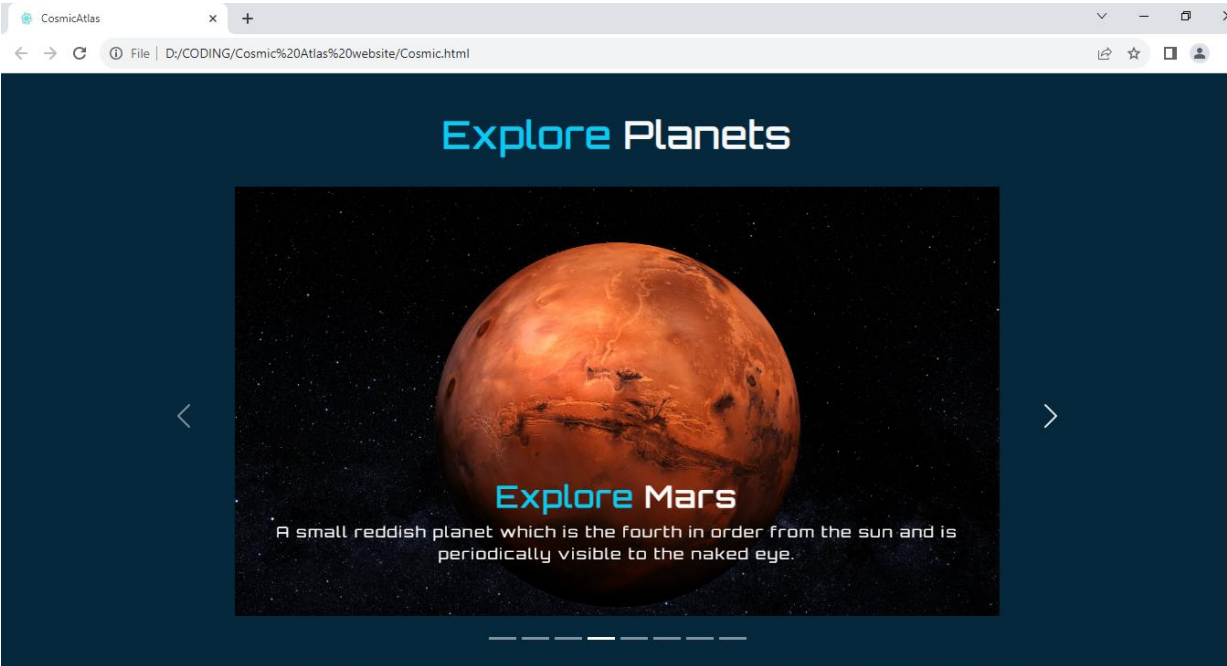
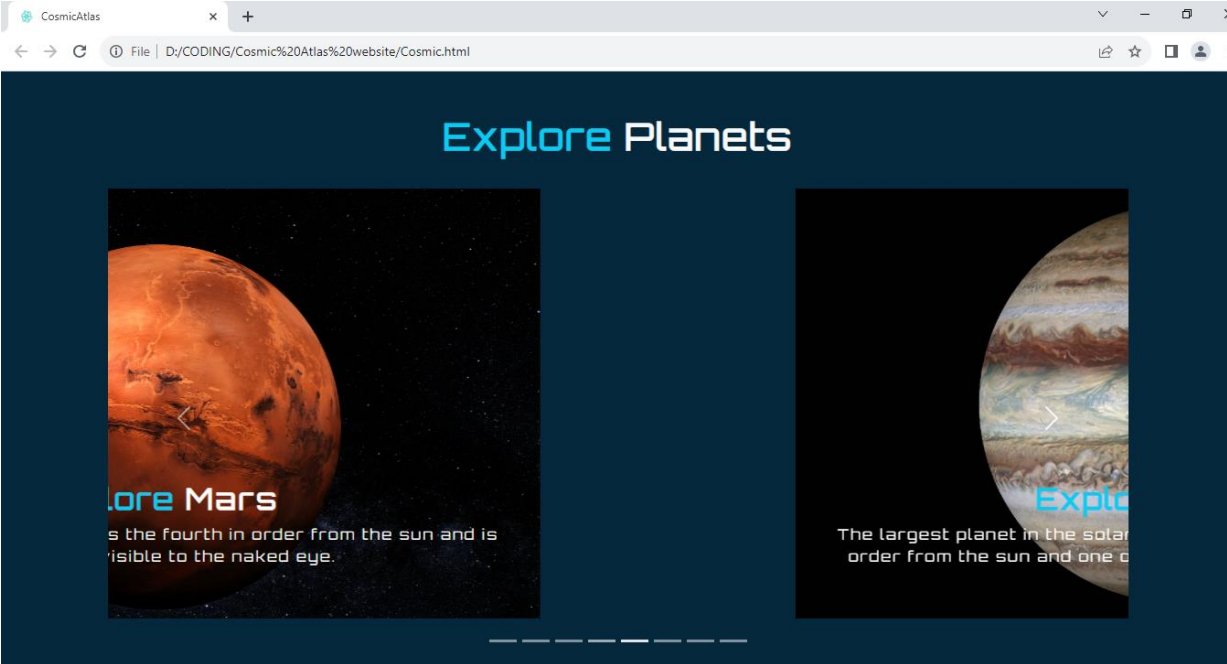
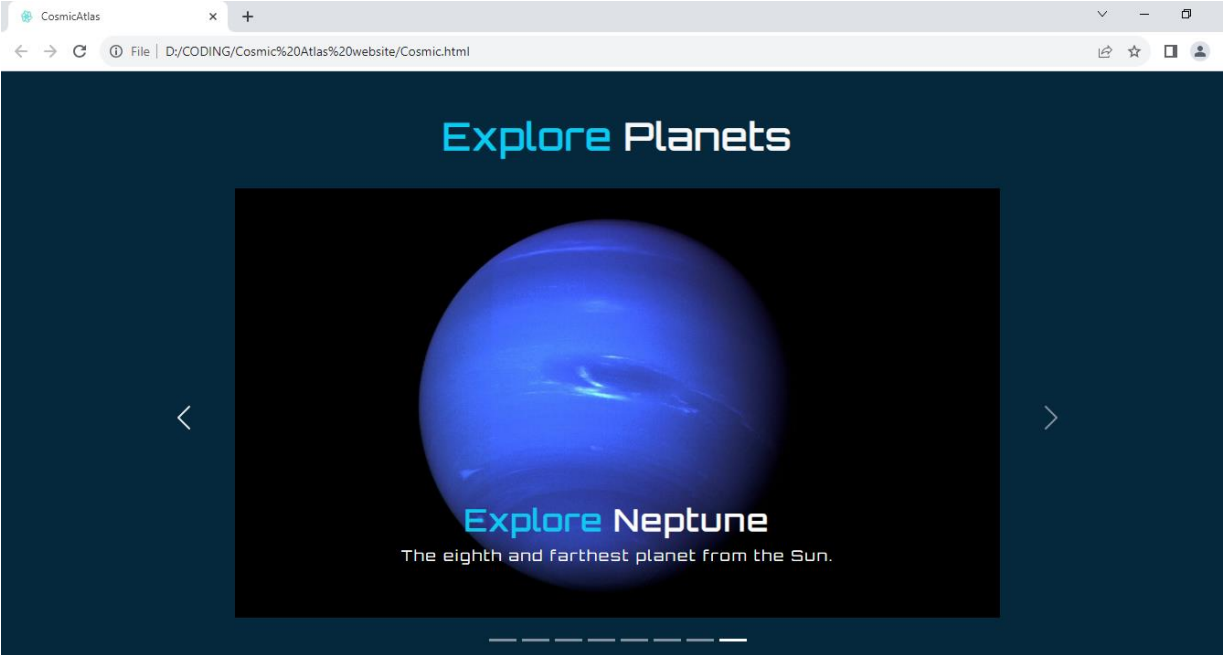


C. Carousel / Slideshow  
HTML

```
328 <section class="carousel">
329   <div class="container box">
330     <div class="col-xs-8">
331       <div class="text-center text-light">
332         <h1><span class="text-info">Explore</span> Planets</h1> </div>
333       <div id="planets" class="carousel slide" data-bs-ride="carousel">
334         <div class="carousel-indicators">
335           <button type="button" data-bs-target="#planets" data-bs-slide-to="0" class="active" aria-current="true" aria-label="Sun"></button>
336           <button type="button" data-bs-target="#planets" data-bs-slide-to="1" aria-label="Slide 2"></button>
337           <button type="button" data-bs-target="#planets" data-bs-slide-to="2" aria-label="Slide 3"></button>
338           <button type="button" data-bs-target="#planets" data-bs-slide-to="3" aria-label="Slide 4"></button>
339           <button type="button" data-bs-target="#planets" data-bs-slide-to="4" aria-label="Slide 5"></button>
340           <button type="button" data-bs-target="#planets" data-bs-slide-to="5" aria-label="Slide 6"></button>
341           <button type="button" data-bs-target="#planets" data-bs-slide-to="6" aria-label="Slide 7"></button>
342           <button type="button" data-bs-target="#planets" data-bs-slide-to="7" aria-label="Slide 8"></button>
343         </div>
344         <div class="carousel-inner">
345           <div class="carousel-item active">
346             <a href="Mercury.html">
347               
348               <div class="carousel-caption d-none d-md-block">
349                 <h2><span class="text-info">Explore</span> Mercury</h2>
350                 <p>A small planet that is the closest to the sun in the solar system,
351                   sometimes visible to the naked eye just after sunset.</p>
352               </div>
353             </a>
354           </div>
355           <div class="carousel-item">
356             <a href="Venus.html">
357               
358               <div class="carousel-caption d-none d-md-block">
359                 <h2><span class="text-info">Explore</span> Venus</h2>
360                 <p>The second planet, the brightest celestial object after the sun and moon and frequently appearing in the twilight sky as the
361                   evening or morning star.</p>
362             </a>
363           </div>
364           <div class="carousel-item">
365             <a href="Earth.html">
366               
367               <div class="carousel-caption d-none d-md-block">
368                 <h2><span class="text-info">Explore</span> Earth</h2>
369                 <p>The third planet from the Sun and the only astronomical object known to harbor life.</p>
370               </div>
371             </a>
372           </div>
373           <div class="carousel-item">
374             <a href="Mars.html">
375               
376               <div class="carousel-caption d-none d-md-block">
377                 <h2><span class="text-info">Explore</span> Mars</h2>
378                 <p>A small reddish planet which is the fourth in order from the sun and is periodically visible to the naked eye.</p>
379               </div>
380             </a>
381           </div>
382           <div class="carousel-item">
383             <a href="Jupiter.html">
384               
385               <div class="carousel-caption d-none d-md-block">
386                 <h2><span class="text-info">Explore</span> Jupiter</h2>
387                 <p>The largest planet in the solar system, a gas giant which is the fifth in order from the sun and one of the brightest objects in
388                   the night sky.</p>
389               </div>
390             </a>
391           </div>
392           <div class="carousel-item">
393             <a href="Saturn.html">
394               
395               <div class="carousel-caption d-none d-md-block">
396                 <h2><span class="text-info">Explore</span> Saturn</h2>
397                 <p>The sixth planet from the sun in the solar system, circled by a system of broad flat rings.</p>
398               </div>
399             </a>
400           </div>
401           <div class="carousel-item">
402             <a href="Uranus.html">
403               
404               <div class="carousel-caption d-none d-md-block">
405                 <h2><span class="text-info">Explore</span> Uranus</h2>
406                 <p>A gaseous cyan-coloured ice giant, the seventh planet from the Sun.</p>
407               </div>
408             </a>
409           </div>
410           <div class="carousel-item">
411             <a href="Neptune.html">
412               
413               <div class="carousel-caption d-none d-md-block">
414                 <h2><span class="text-info">Explore</span> Neptune</h2>
415                 <p>The eighth and farthest planet from the Sun.</p>
416               </div>
417             </a>
418           </div>
419         </div>
420         <div id="button">
421           <button class="carousel-control-prev" type="button" data-bs-target="#planets" data-bs-slide="prev">
422             <span class="carousel-control-prev-icon" aria-hidden="true"></span>
423             <span class="visually-hidden">Previous</span>
424           </button>
425           <button class="carousel-control-next" type="button" data-bs-target="#planets" data-bs-slide="next">
426             <span class="carousel-control-next-icon" aria-hidden="true"></span>
427             <span class="visually-hidden">Next</span>
428           </button>
429         </div>
430       </div>
431     </div>
432   </div>
433 </section>
```

Using bootstrap 5 as CSS Framework.

Rendered as:



D. Hero Image

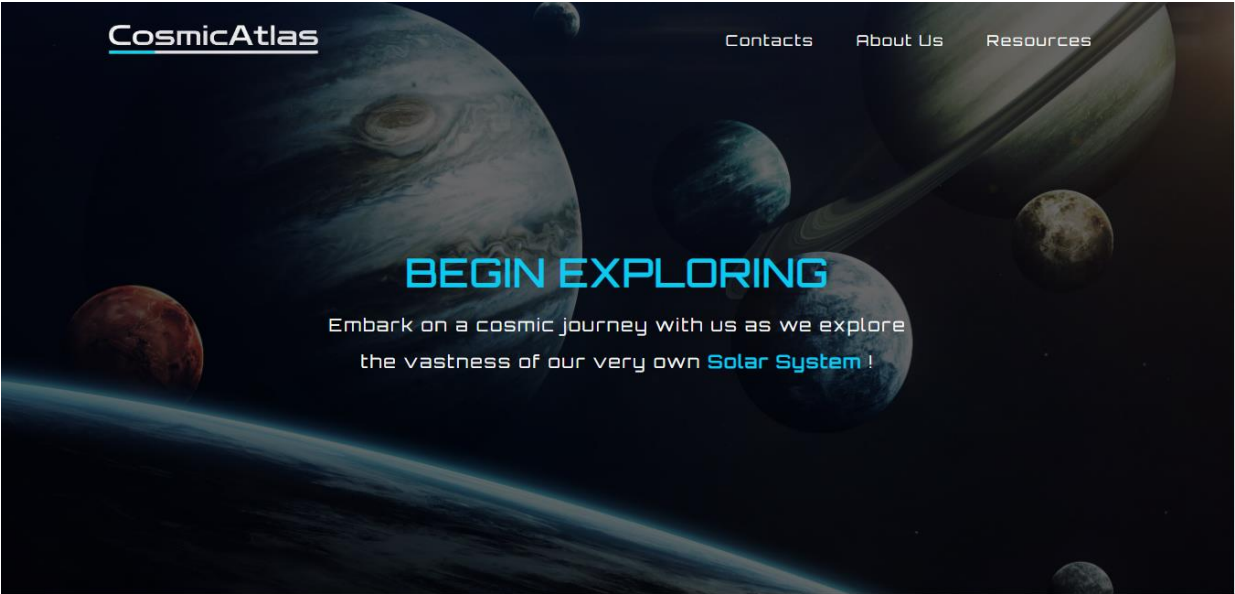
HTML

```
226 <header>
227 <div class="back">
228 <nav class="navbar navbar-expand-lg p-4">
229   <div class="container">
230     <a href="Cosmic.html" class="navbar-brand"> </a>
231     <button
232       class="navbar-toggler"
233       type="button"
234       data-bs-toggle="collapse"
235       data-bs-target="#navmenu">
236       <span class="navbar-toggler-icon"></span>
237     </button>
238     <div class="collapse navbar-collapse" id="navmenu">
239       <ul class="navbar-nav ms-auto">
240         <li class="nav-item">
241           <a href="Contacts.html" class="nav-link">Contacts</a>
242         </li>
243         <li class="nav-item">
244           <a href="About Us.html" class="nav-link">About Us</a>
245         </li>
246         <li class="nav-item">
247           <a href="Resources.html" class="nav-link">Resources</a>
248         </li>
249       </ul>
250     </div>
251   </nav>
252 <div class="container">
253   <div class="text-light position-absolute top-50 start-50 translate-middle text-center pt-3">
254     <h1 id="welcome" class="text-info">BEGIN EXPLORING</h1>
255     <p>Embark on a cosmic journey with us as we explore the vastness of our very own <span class="text-info"><b> Solar System </b></span>!</p>
256   </div>
257 </div>
258 </div>
259 </header>
```

CSS

```
46 .back{
47   background-image: linear-gradient(rgba(0, 0, 0, 0.6),rgba(0, 0, 0, 0.6)), url( solar.jpg);
48   background-size: cover;
49   background-position: center;
50   width: 100%;
51   height: 110vh;
52 }
53
54 .text-light p{
55   line-height: 40px;
56   font-size: 1.2rem;
57   letter-spacing: 2px;
58 }
59
60 #welcome{
61   font-size: 2.6rem;
62 }
63
64
65 .text-light h2{
66   letter-spacing: 3px;
67   font-weight: bold;
68   font-size: 2.0rem;
69 }
```

Rendered as:



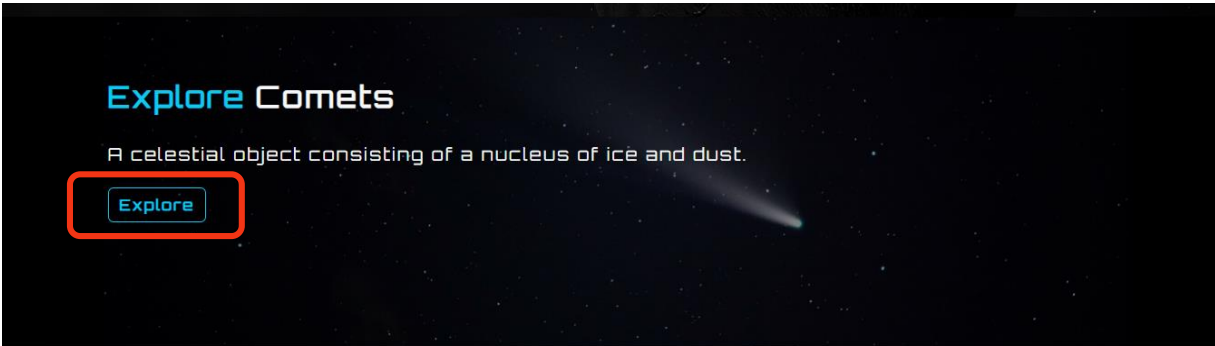
E. Outline Buttons

HTML

```
499 <button type="button" class="btn btn-black btn btn-outline-info"><b>Explore</b></button>
```

Using bootstrap 5 as CSS Framework.

Rendered as:



F. Menu Icon

HTML

```
234 <button
235   class="navbar-toggler"
236   type="button"
237   data-bs-toggle="collapse"
238   data-bs-target="#navmenu">
239   <span class="navbar-toggler-icon"></span>
240 </button>
```

CSS

```
41
42 .navbar-toggler-icon{
43   background-image: url("data:image/svg+xml,%3csvg xmlns='http://www.w3.org/2000/svg' viewBox='0 0 30 30'%3e%3cpath stroke='rgb%28255, 255, 255, 1%29' stroke-linecap='round' stroke-miterlimit='10' stroke-width='2' d='M4 7h22M4 15h22M4 23h22'/%3e%3c/svg%3e");
44 }
45
```

This property is for changing the color of the icon.

Rendered as:

