**PUI Assignment 8: Informational Tool**

**Part 1:**

This website is designed to provide a fun, engaging entry point for users to learn about the basic parts of an Extravehicular Mobility Unit (EMU) astronaut suit. This includes some basic facts about the suit as a whole as well as information blocks offering the user an opportunity to take a deeper dive into the content. The information blocks include some interesting facts about the suit parts, with a casual, informative tone. As I’m imagining my target audience as older elementary to middle school students, I wanted to keep my site approachable and fun, while also conveying the most interesting information to increase the likelihood of internalization. I do know from user testing and showing my site to my peers that the site is of interest to and provides valuable information for not just kids, but also adults with any interest in space. My site benefits from the topic area—many people have a natural interest in space, which makes my job of making the site engaging much easier. However, the slowly drifting stars set the atmosphere of the site and draw the user in, while the interactive (giving the user the control!), spinning spacemen adds an element of fun and whimsy that keeps user on the site and clicking throughout all of the suit parts of the EMU.

**Part 2:**

**Desktop views:**

* Click on any part of the EMU suit of interest. A tooltip will show up on hover over the parts that are clickable, providing some affordance and giving the user an advance idea of what they can to learn about.
* To return to the original view, users can either click the same suit part again (this will work for suit parts where the primary EMU image shifts position, including the helmet, gloves, upper torso and lower torso areas) or they can click the “Return to Suit” link at the bottom of each info paragraph or “The Suit” at the top left of the page.
* For example:
  + Click the helmet.
  + Read the information.
  + Click the helmet again to return to the suit.
  + Click the liquid cooling and ventilation garment (right arm).
  + Read the information.
  + Click the “Return to Suit” link at the bottom of the

**Mobile views:**

* Click on the caret beside “The Suit” in the top right of the page to get a dropdown menu of suit parts and options. Click on any of these for further information.
* To change to a new part, click “The Suit” or the “Return to Suit” link.
* Select a new suit part to read about.
* For example:
  + Click the caret beside “The Suit.”
  + Select “Lower Torso Assembly.”
  + Read the information.
  + Click the “Return to Suit” link.
  + Click the caret beside “The Suit.”
  + Select “SAFER.”
  + Read the information.

**Part 3:**

I used animations and transitions and keyframes through CSS

I looked into many animation libraries, but the presets they offered didn’t give me the control and specificity I needed for my site, so I chose to create my animations myself

I wrote a unique transition or animation for every suit part and information block

It adds just simple fun and visual interest, which is appropriate for the age group I’m targeting

**Part 4:**

I added some fun elements, to build in joy—this includes the safer continuous animations inspired by the jetpack, the stars slowly moving

**Part 5:**

Because of the design of my site, I was unable to use bootstrap (it wouldn’t have allowed my animations to work on smaller sizes, which meant I had to figure out and write a bunch of media queries. I also had a lot of troubles with specific things I wanted to do—namely, styling my tooltips and adding a custom cursor