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PUI - A5
Design for Final Project

Mars Mission

My informational website will take users on a journey to our planetary neighbor, Mars. It will likely be a 1 page site with elements animating based on scroll position, mouse events, etc. like the volcano website example. For the scope of this project, I would like to cover the major challenges facing us in the pursuit of a manned mission to Mars, and talk a little bit about the science and engineering that goes into fulfilling such an ambitious goal.

Interactions

Without knowing the tech, it is difficult to concretely design the interactions at this stage, but I am looking at Animate.css for animations and P5 or D3 for interactive data visualization and object manipulation.

The circular elements on the right side will let you navigate the sections of the page and animate when hovering over them and when selected. When hovering over one circle, the name of that section will show. I may also add an object that moves from dot to dot as you scroll.

I may slice the “Journey to Mars” image and make that interactive so that each annotation shows when hovering over that segment.

Challenges title image: Here I might try to make the payload move in response to mouse position.

Mission Proposals title image: Might try to make the rocket move up and down based on scroll using parallax.

On mobile, most interactions will probably react to scrolling.

Sections of Information (Wikipedia)

- Introduction
- Challenges
 - Logistics
 - Physical
 - Protection of the planet
- Recent mission proposals
- Technological challenges

Design Links

Web: http://9635qm.axshare.com/#g=1&p=home_web&c=1

Mobile: http://9635qm.axshare.com/#g=1&p=home_mobile&c=1

For mobile, use Chrome’s device toolbar set on Nexus 6P to see in context.