

On This Day in Space



Is COVID boredom a problem in your life?
Do you ever wonder what is happening in space on any given day?
Did any space launches happen around the world?

Then On This Day in Space is the application for you! Put in any day and month and receive a NASA backed photo and see if there was a space launch!

Our motivation for the application came from a deep love of space, all things NASA and being able to create something that could cause even a small moment of distraction from... well... everything.

So give it a try and see what space was doing on a date special to you or just a random day.

Concept

- A website that gathers data from Nasa and Launch Library to help you explore space! Enter a date into the search bar and you will see 4 images from space on that date as well as launch information for the closest launch to the date you searched.
- Not only is it really interesting to look at space but learning about it and how we interact with it all in one place makes it easy, fun, and convenient to learn about something new!
- AS A user (this application is not only directed to one specific user but anyone who would like to use it)
I WANT to see a photograph from that day in space and launch data if there is any
SO THAT I can see photos of space and know if there were launches

Process

- Bulma was used for our CSS Framework. We also used JavaScript, jQuery, and 2 APIs (Nasa and Launch Library)
- Aaron Parnell and Ilya Libershteyn handled the back end of the project and Rowan Oliver, Erickson Powell, and Lauren Plenger handled the front end.
- The main challenge that we faced in this project was our image carousel. It was a new element for most of us and figuring out how to get the information from the APIs to display and function properly took a lot of collaboration and effort on everyone's part.
- We turned the carousel from a challenge into a success and created the code for it from scratch. The teamwork and collaboration seemed to flow effortlessly and everyone showed up willing to work hard on this at every meeting.

Demo

04-22

Search

Comet C/2002 T7 (LINEAR)

Thursday, April 22nd 2004



Discovered by the the Lincoln Near Earth Asteroid Research (LINEAR) project in October of 2002, comet C/2002 T7 is now visiting the inner solar system, making its closest approach (see animation by L. Koehn) to the Sun tomorrow, April 23rd. Emerging from the solar glare, the comet is now just visible to the unaided eye in the constellation Pisces, near the eastern horizon in morning twilight. In this gorgeous telescopic view recorded before dawn yesterday, the clearly active comet has developed an extensive, complex tail extending over 2 degrees in the anti-sunward direction, and a pronounced anti-tail or anomalous tail. Later next month this comet should appear brighter, making its closest approach to planet Earth on May 19th. In fact, it could

Launch activity closest to this date

Soyuz-FG | Soyuz TMA-4

April 19, 2004 03:19:00 UTC

Baikonur Cosmodrome, Republic of Kazakhstan

Soyuz-FG



Soyuz TMA-4 launch



Directions for Future Development

For future development, we would like to see additional information from other APIs that might include but are not limited to:

- Weather on Mars on the corresponding sol date
- Pictures from the Hubble Telescope
- Photos of Earth from space on a given date

Links

- <https://epowelldev.github.io/p01-on-this-day-in-space/>
- <https://github.com/epowelldev/p01-on-this-day-in-space>