Space Flight Personal Site Content plan

**Topic and idea plan:**

1. **Site Purpose:** My site will be used as a reference guide for statistics, history, and comparisons between space launch providers. It will be in depth and detailed to give all needed information in easily found formats throughout the site.
2. **What questions can be answered:** Simple statistical or historical questions on any of the 6 launch providers; This site should be able to replace constant and frantic google searches to 7 different websites to answer a simple question.
3. **Activities performed:** Mainly and best used for research/referencing information.
4. **What information does this contain:** In depth stats and history on providers, vehicles, engines, stages, etc.
5. **Why this site instead of other sites:** My site will be more compiled and of the only sites that directly holds information of all these providers; Other sites are more independent and focus on one provider vs mine which shows several major providers.

**All Pages**

Header with Nav to all 7 pages, and footer to contact and footer info.

**Main Page**

6 Banner Images; One for each launch provider that work as hotlinks to each provider page.

SpaceX Banner:

A picture containing sky, outdoor, clouds, cloudy

Description automatically generated

Rocket Lab Banner:

Graphical user interface, text

Description automatically generated

NASA Banner:

A space shuttle in space

Description automatically generated with medium confidence

ULA Banner:

A picture containing missile, rocket

Description automatically generated

Ariane Space Banner:

A picture containing text, sky, outdoor, transport

Description automatically generated

Blue Origin Banner:

A rocket launching into the sky

Description automatically generated with low confidence

A Table with general comparable statistics comparing all providers and their statistics

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | SpaceX | Rocket Lab | NASA | ULA | Ariane Space | Blue Origin |
| Number of Launches (as of 10/25/2022) | 184 | 31 | 311 | 154 | 287 | 28 |
| Highest Payload Capacity (LEO) | 140, 660 lb (Falcon Heavy) | 661 lb (electron) | 261, 000 lb (Saturn) | 62, 540 lb  (Dela IV Heavy) | 46, 000 lb (Ariane 5) | unreached |
| Date Formed | March 2002 | June 2006 | July 1958 | December 2006 | March 1980 | September 2000 |
| Current Rockets in development | Starship Super Heavy | Neutron | Space Launch System | Vulcan | Ariane 6  Ariane Next | New Glenn |

**SpaceX**

SpaceX general info and history.

Info on starlink project.

Falcon 9: A picture containing sky, outdoor, water, boat

Description automatically generated

General info, notable characteristics, history, maiden launch, engines, stages.

|  |  |
| --- | --- |
| Launches |  |
| Height |  |
| Diameter |  |
| Weight |  |
| Thrust |  |
| TWR |  |
| Payload to LEO |  |
| Payload to GTO |  |
| Success Rate |  |

Falcon Heavy: 

Starship Super Heavy: 

**Rocket Lab**

Electron: 

Neutron: Diagram

Description automatically generated with medium confidence

**NASA**

Saturn V: A rocket on a launch pad

Description automatically generated with medium confidence

Space Shuttle:A space shuttle on a launch pad

Description automatically generated

SLS:A rocket on a launch pad

Description automatically generated with medium confidence

**ULA**

Delta II: A rocket on a launch pad

Description automatically generated with medium confidence

Delta IV: A picture containing sky, outdoor, transport, rocket

Description automatically generated

Atlas V: A rocket on a launch pad

Description automatically generated with medium confidence

Vulcan: A picture containing sky, train, outdoor, track

Description automatically generated

**Ariane Space**

Ariane 1: A rocket on a launch pad

Description automatically generated with medium confidence

Ariane 4: A rocket on a launch pad

Description automatically generated with medium confidence

Ariane 5: A rocket on a launch pad

Description automatically generated with medium confidence

**Blue Origin**

New Shepard: **A rocket on a launch pad

Description automatically generated with medium confidence**

New Glenn: A picture containing transport, rocket, missile

Description automatically generated