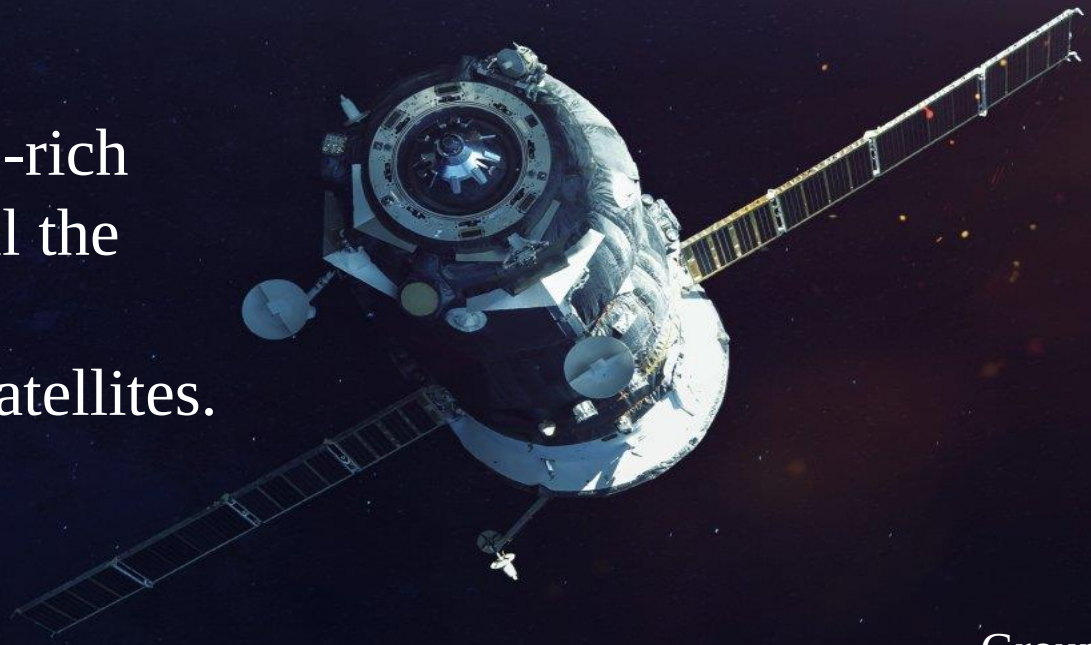
SATELLITE SPRINT

SATELLITE SPRINT is a feature-rich web application designed to fulfill the need for a consolidated source of information about human-made satellites.



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Agenda:

- Problem Statement
- Introduction

- Objective
- Tech Stack

- Demo
- Challenges and Learnings

- Future Scope
- Conclusion

Problem Statement :

SATELLITE SPRINT solves the problem of scattered and time-consuming satellite research by providing a centralized platform that consolidates comprehensive information about human-made satellites. It eliminates the need for users to visit multiple sources to gather details on satellite names, weights, payloads, agencies, launch sites, applications, and other relevant information, thereby simplifying satellite exploration and research.

INTRODUCTION :

- SATELLITE SPRINT is a web application dedicated to providing comprehensive information about satellites created by humans.
- It serves as a one-stop platform for accessing satellite details, including name, weight, payload, agency, launch site, application, and more
- The project aims to simplify satellite research and exploration by consolidating relevant information in an easily accessible and organized manner.,you can search the satellites based on different categories such as agency,name,etc..

Objective :

- The main objective of SATELLITE SPRINT is to offer a user-friendly web application that provides all-encompassing information about satellites created by humans.
- The project aims to gather data on satellite attributes, including name, weight, payload, agency, launch site, application, and other relevant details.
- to assist researchers, students, enthusiasts, and professionals in gaining insights into the vast world of satellites and their respective characteristics.

Tech stack :

- java
- Mysql
- Spring Boot
- Angular
- Boot Strap

References :

- Front end repository - https://gitlab.com/fsd-41/satellite-spring-front-end

- Back end repository - https://gitlab.com/fsd-41/fsd-final-project

Challenges and Learnings :

- When working remotely its hard to coordinate and communicate with team members.We overcame this by arranging zoom meetings regularly.It helped us a lot as we were connected all the time.
- It was difficult to share and review codes then we used the version control system GIT which helped us address and overcome the challenge.
- Balancing the project scope,deadlines are a significant challenge. So we broke tasks into manageable parts and worked on them which saved us time .
- we reviewed each others works and made changes depending on the reviews which made us develop a good looking interface.
- Each team member may have different skill sets and expertise.through knowledge sharing we learnt and overcame things which seemed difficult.
- Sharing work was a big challenge when working as a team,we divided the work based on the expertise of each of each individuals.Which made it look very easy.

Future Scope :

- Integration of Advanced Features: The web app can be expanded by incorporating advanced features such as real-time satellite tracking, interactive maps, user-generated content, and personalized recommendations based on user preferences.
- Enhanced Data Visualization: Implementing visualizations such as charts, graphs, and maps can provide users with a better understanding of satellite data trends, patterns, and relationships.
- Bug Fixes and Performance Enhancements: Regular updates should address any reported bugs or performance issues to ensure a smooth user experience.
- Mobile Application Development: Expanding the web app to mobile platforms can enhance accessibility and reach a broader user base. A dedicated mobile app can provide a seamless and optimized experience for users on their smartphones and tablets.

Conclusion:

SATELLITE SPRINT is a web application that provides a centralized and comprehensive database of information on satellites created by humans. With features such as satellite name, weight, payload, agency, launch site, application, and more, the application offers users an easy and efficient way to access and explore satellite data. Whether for educational purposes, research endeavors, or personal interest, SATELLITE SPRINT aims to simplify satellite exploration and provide a valuable resource for students, researchers, educators, and enthusiasts. By consolidating satellite information in one place, the project empowers users to gain insights into the vast world of human-made satellites and their impact on various fields of study and technological advancements.

Thank You