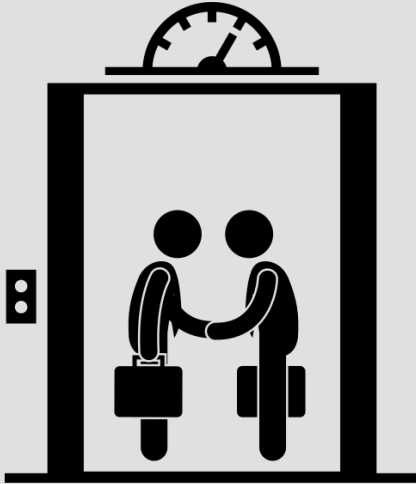


Astro Adventures



A website made by Group 06
Joseph A, Jenn K, Brian R, Elijah W, & Arthur B



Created by Gae Kyeon Lee
from the Noun Project

Our website is the ultimate space hub for students. We have NASA's Picture of the Day, real-time data on solar flares, the current location of the ISS, and information on astronauts. Each page is educational and our Google Sky dropdown lets you explore stars, the moon, and Mars. Register for an account to comment, like photos, and personalize your profile with space-themed photos. Join us on a thrilling journey through the universe!

Tools Used:

- IDE - VS Code



- Testing Tools - Chai, Mocha



- UI Tools - HTML, CSS



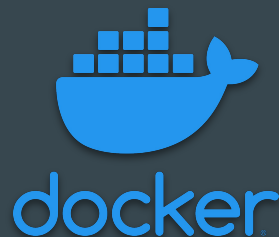
Tools Used:

- Ejs



EJS

- Docker



- External APIs (NASA, Google)



Tools Used:

- **Project Tracker - Github project board** ★★★★★
- **VCS repository - GitHub** ★★★★★
- **Database - PostgreSQL** ★★★★★



Tools Used:

- Framework - Node.js - ★★★★★



- Deployment - Microsoft Azure - ★★★★★



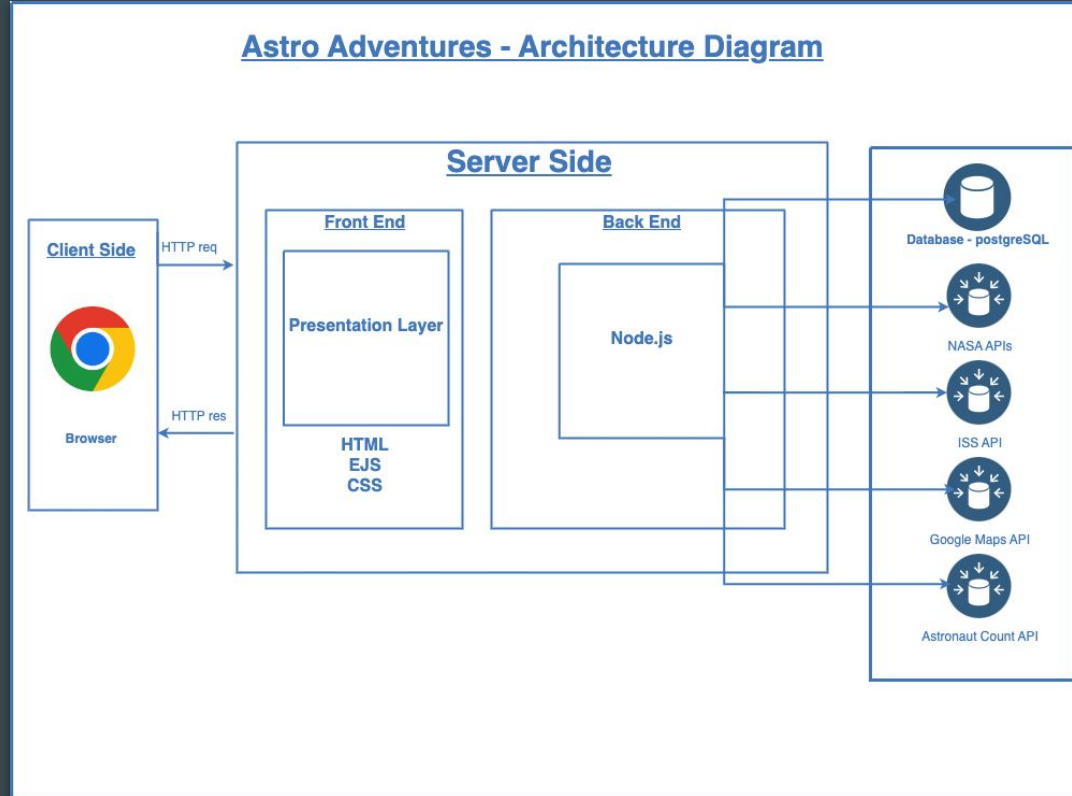
Agile Methodology



- Allowed for fluid feature changes and website redesigns
- Constant communication between members proved beneficial



Architecture Diagram...



Challenges Faced:

- NASA's APIs don't allow embedded links! (No iframes)
 - Rerouted information on solar flares into self-updating data table instead
- Following Google Maps API Tutorial wasn't fruitful
- Building implementations with unfamiliar languages
 - NodeJS, bugs and errors
 - Stack Overflow, Youtube, and Office Hours
- Date Variables in Foreign Key Comparisons → EST vs GMT
- Posting external links into database

Future Enhancements

- Include more user customization features
- Explore more of NASA's APIs
- Introduce VR functionality for an interactive space experience
- Add ability to search photos from NASA



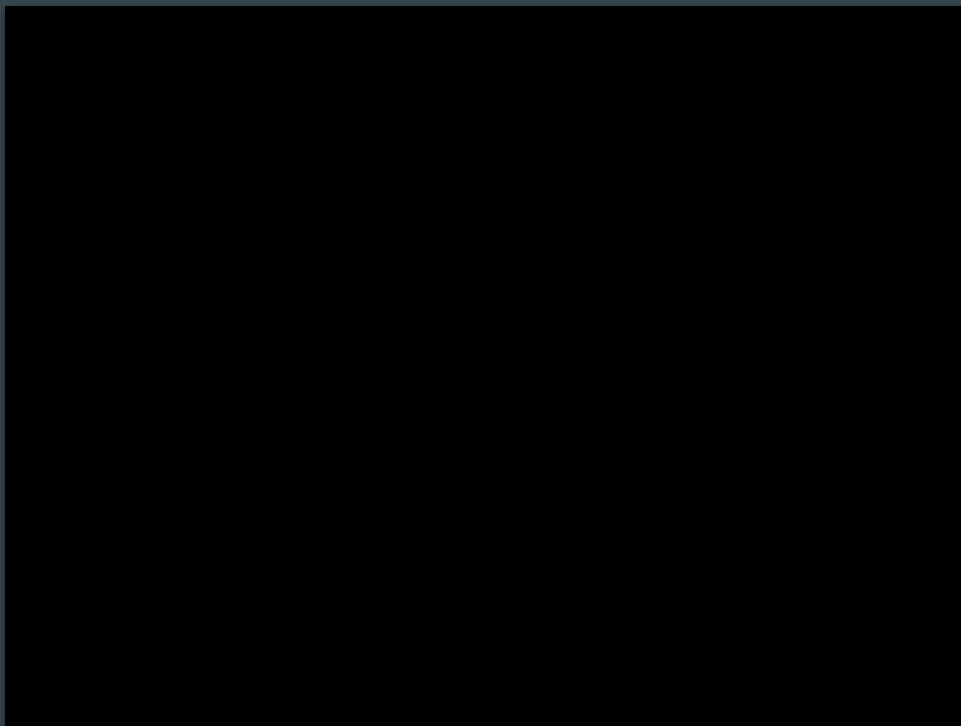
All features

- Nasa picture of the day, with comment modal
- Solar flare real time data
- Current location of the ISS mapped to google maps
- Information about astronauts in space
- Google sky, Stars, Moon, Mars
- Spaced theme pictures with like feature displayed on profile

DEMO!!

[Deployed Website](#)

[Youtube Demo](#)



Thank You!

-Astro Adventures