

Team Noname

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ISS Analysis Tool

The ISS analysis tool is a web application that provides analysts at Barrios with logistics optimization, usage forecasting, and prediction accuracy analysis surrounding consumable delivery to the International Space Station (ISS)

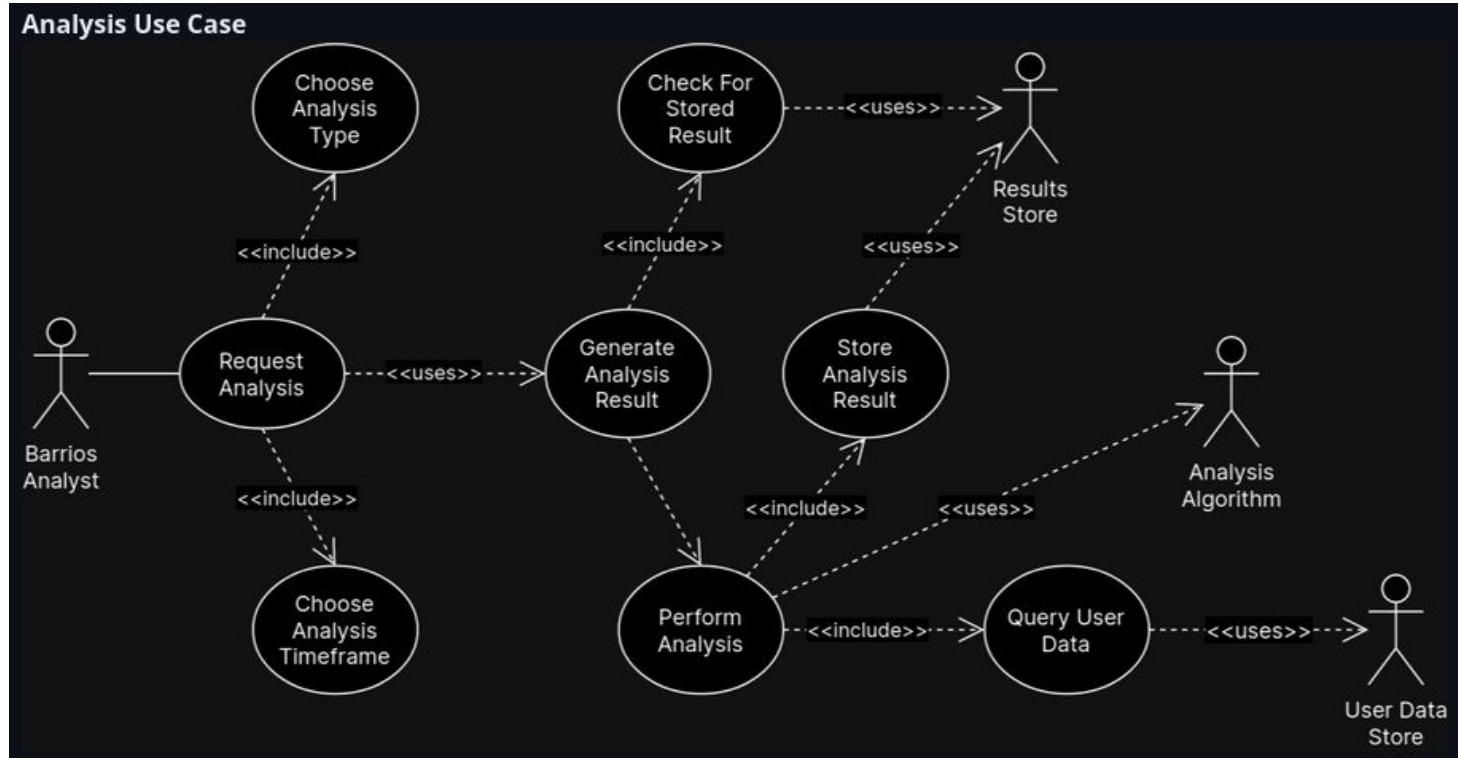


Functional Requirements

1. Provide a clean, usable, intuitive interface for Barrios employees to upload user-generated data and view analysis results.
2. Provide accurate and useful analyses, including supply-chain optimization, predictive modeling, and prediction accuracy analysis.



Use Case Model



Subsystems

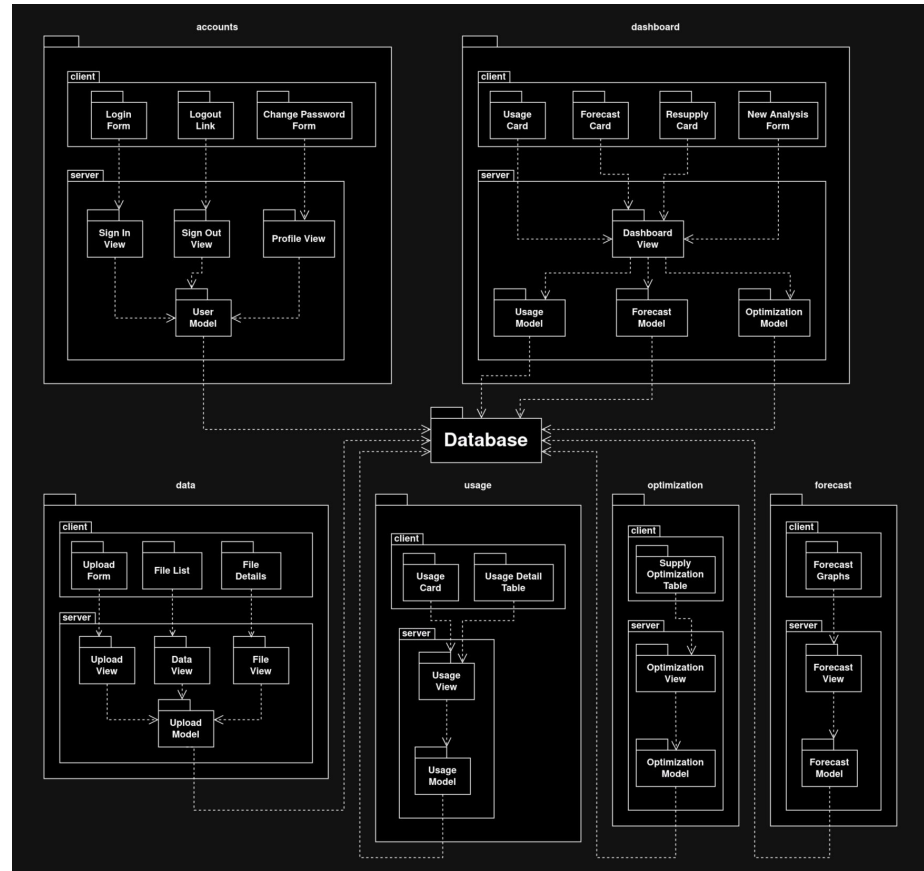
Accounts

Dashboard

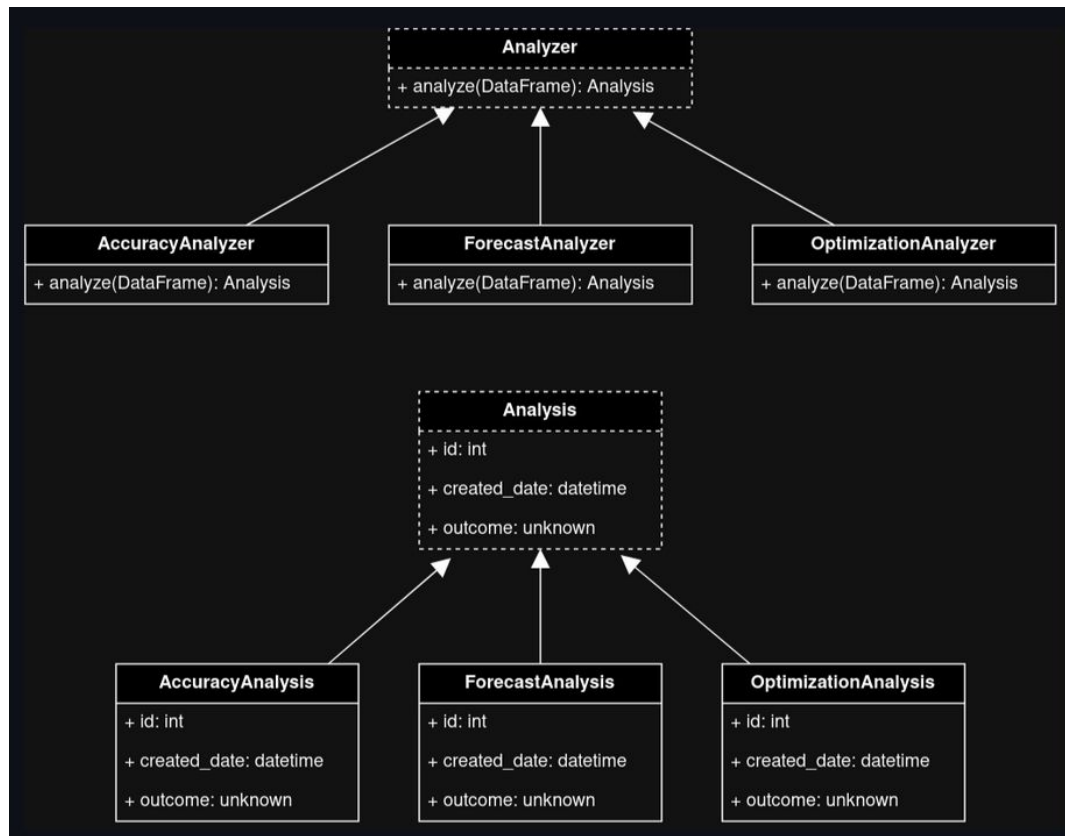
Data

Usage

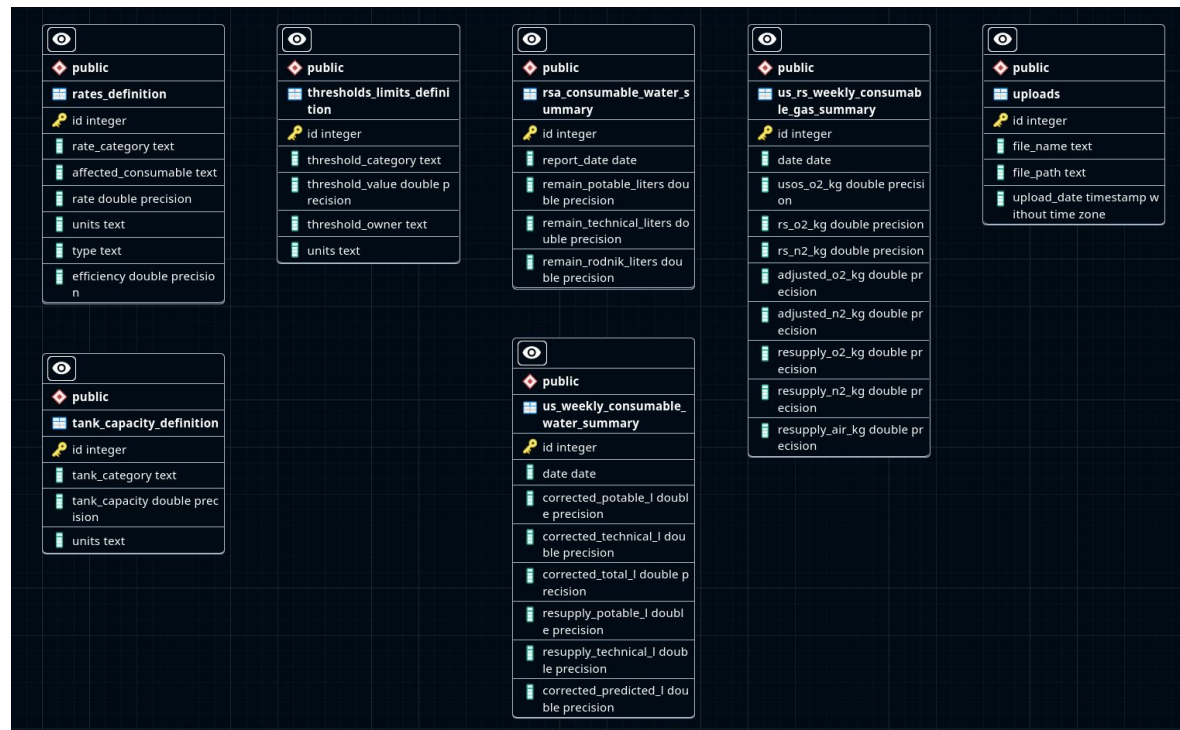
Optimization



Class Diagram



Data Management



GitHub

Carlos and Jonathan: Consumable ascent optimization

Josue: Usage analysis

Jeff: Server and Integration

Jeremy: HTML, CSS

1,144,789 total lines of code

```
.
├─ accounts - Jeremy/Jeff
├─ barrios - Project.Framework specific
├─ dashboard - Jeremy/Jeff
├─ data - Jeremy/Jeff
├─ forecast - Jonathan/Jeff/Jeremy
├─ home - Jeremy/Jeff
├─ static - Static files
├─ supply - Carlos/Jeff/Jeremy
├─ templates - HTML Pages - Jeremy/Jeff
└─ usage - Josue/Jeff/Jeremy
```