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Project ideation

Three space stations are trying to coordinate their cargo shipping schedules. The three space stations have different numbers of cargo docks. Some cargo can only go to specific docks. Ships all travel at different speeds. There are several different shipping origins that go to all of the stations, and the stations also send ships between each other.

I propose to build a relational database management system to organize and coordinate these complicating factors. I plan on using Python, SQLite, and SQLAlchemy. Data will have to be randomly generated and seeded into the database. I hope to gain an understanding and appreciation for real world shipping logistics and complications.

Since this is a database dealing with fictional situations, I feel the need to comment on how it would be used. From within the fictional world, space station operators, ship captains, and shipping origins (planets/moons) would all use the system in order to plan and coordinate their shipping. I will need to build out these entities, but I am not planning on writing up more than basic descriptions. Using space stations just seemed like more fun than railways or real world ports.