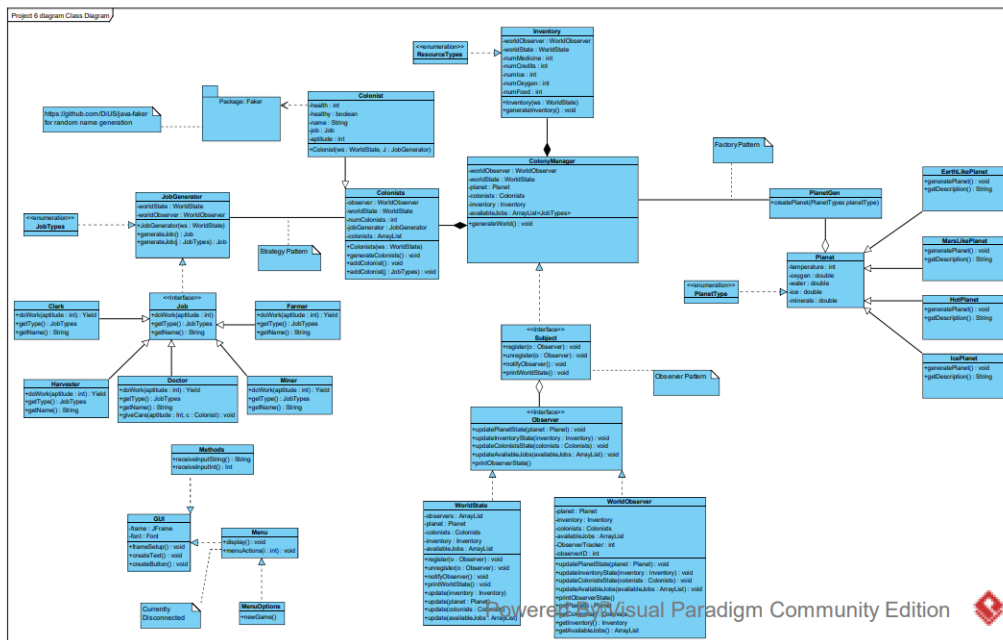
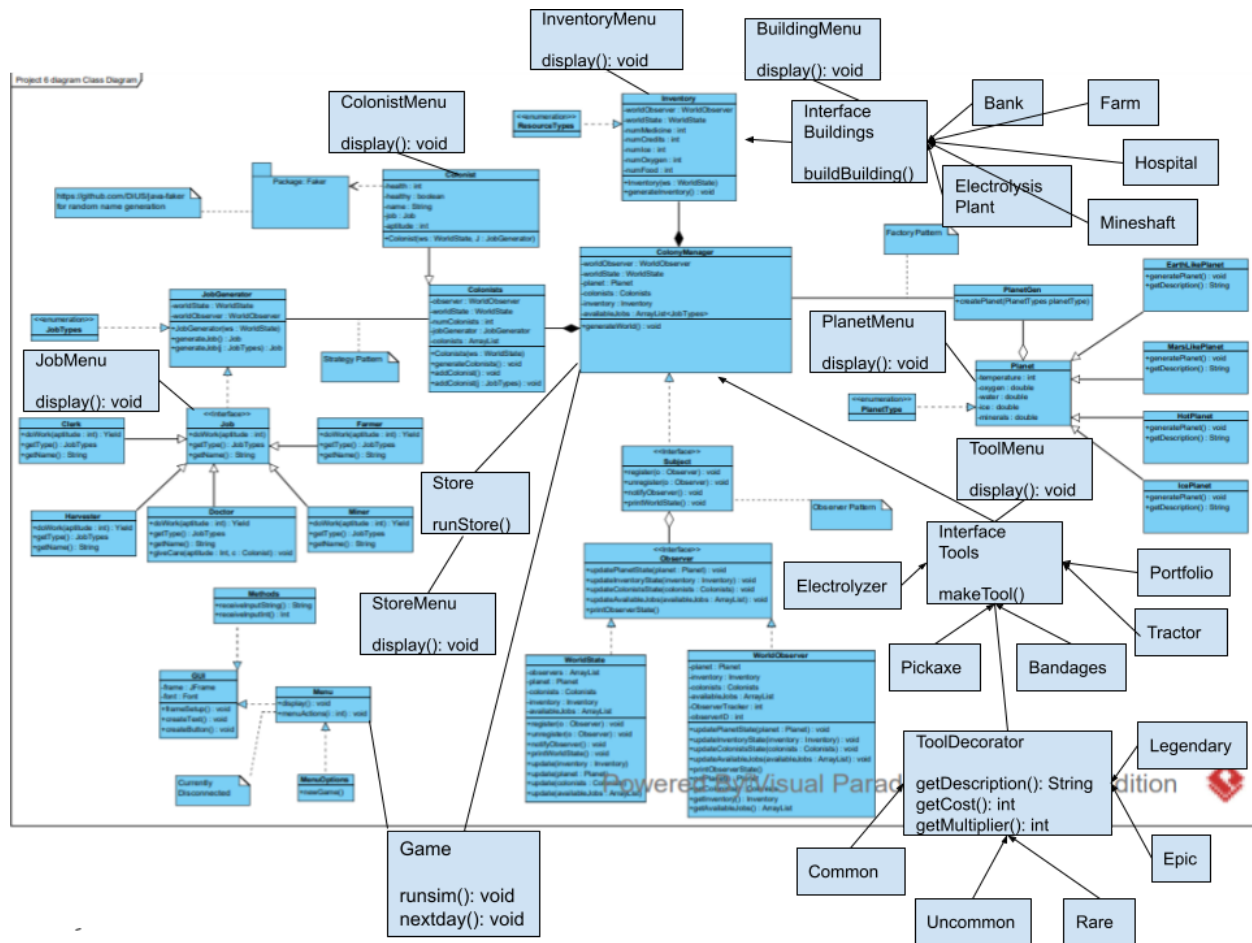


Since Project 6, a lot has changed, and we have had to completely rework our scope over the week. We originally had plans to make a frame GUI for it to be played on, but we had to scale back to a console print game. The different parts of the game, such as the buildings, tools, colonists, planets, menus, and more are all completely finished, but they aren't tied together. We have used patterns in situations where they were useful, and no new ones have been added since project 6.





As I'm sure you can tell, Joseph was the one to do the UML diagrams, and I don't have the software he used, so I appended a google drawing to the old one, as we only built on it. I removed some details for readability, I know you aren't supposed to but it was impossible to fit with it. Also I don't have access to the project 5 UML diagram, so this is comparing 6 and 7. The main differences were the connection of buildings and tools to the main game, organizational changes to add Game.java, making the store, creating the ToolDecorator for different efficiencies of tool, and making menus for the game display.

The only third party code we used was faker for random name generation. We have linked the original source <https://github.com/DiUS/java-faker>. We did have a third party source for our GUI, but we didn't implement it. tutorial from https://www.youtube.com/watch?v=bn8MDLsubOQ&ab_channel=RyisSnow

In this project, one main element was pattern recognition, finding places where patterns would be beneficial and figuring out how to cleanly implement them was something we experienced. A problem we encountered was refactoring when we realized we wanted something done a different way after, and having to completely change everything, like when we started the save file code and had to redo the way we retrieved the private variables to account for the need to

put it on a text file. A thing I think we did well was creating our initial architecture, as we didn't end up removing or changing much, just adding to it as needed.