For this enhancement I am using the CS210 inventory tracker app and this artifact was created around May of 2023. I selected this artifact for my ePortfolio because it showcases my ability to implement effective algorithms and utilize data structures to solve real-world problems. My project demonstrates several key technical competencies like processing and storing data dynamically using JavaScript and JSON Server and allowing the program to function like a real-world application. Through this project I implemented a frequency counting algorithm using JavaScript’s Map object in order to ensure efficient data storage and retrieval. Additionally, retrieving and filtering data dynamically through API calls reinforced my understanding of structured data storage and optimization.

I learned a lot throughout this, but things still did not turn out perfect as originally, I was going to use firebase. It was like as soon as I implemented firebase everything started to go wrong. Things broke that didn’t break before and I did not know what the cause was. However, I believe the switch to JSON server was the right choice and added much greater functionality. There are still some bugs to work out but overall, I am happy with the progress.