The artifact that I chose is FinalProjectSectionIV.py. This file is a rest API in Python. The enhancement that I have chosen for this file is to convert to Java. There are several files that I created pom.xml used with Codio to run file. JetteyServer.java to be the rest server and service.java for the rest api. I included this artifact to showcase the ability to create a full stack rest API and to show that I can also do it in Java.

The course objectives I planned to meet are: Employ strategies for building

collaborative environments that enable diverse audiences to support organizational decision

making in the field of computer science; Design, develop, and deliver professional-quality

oral, written, and visual communications that are coherent, technically sound, and

appropriately adapted to specific audiences and contexts; Demonstrate an ability to use well-

founded and innovative techniques, skills, and tools in computing practices for the purpose

of implementing computer solutions that deliver value and accomplish industry-specific goals;

Develop a security mindset that anticipates adversarial exploits in software architecture and

designs to expose potential vulnerabilities, mitigate design flaws, and ensure privacy and

enhanced security of data and resources.

The process of enhancing this artifact has proven difficult for me. So many differences between Java version and python. I have developed my programming skills because of this artifact and have learned a great deal more about differences between java and python. I learned how to make a simple reset server to run the rest api.