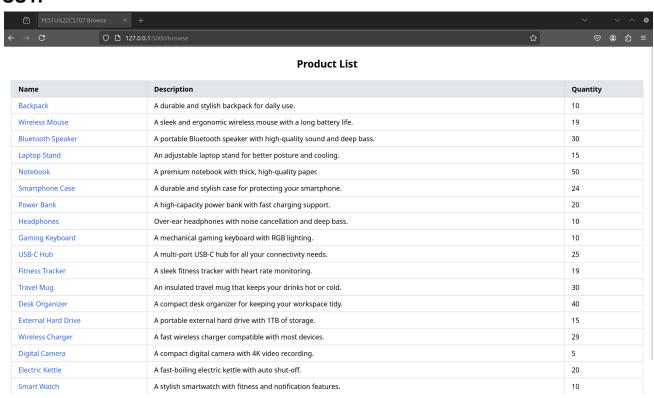
# **CLOUD COMPUTING**

Name: Vivek M

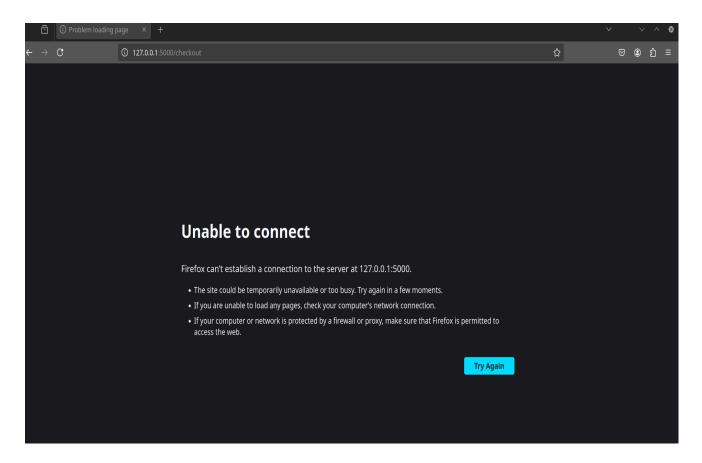
SRN: PES1UG22CS707

Github Link: <a href="https://github.com/vmvivek291/CC">https://github.com/vmvivek291/CC</a> Lab3.git

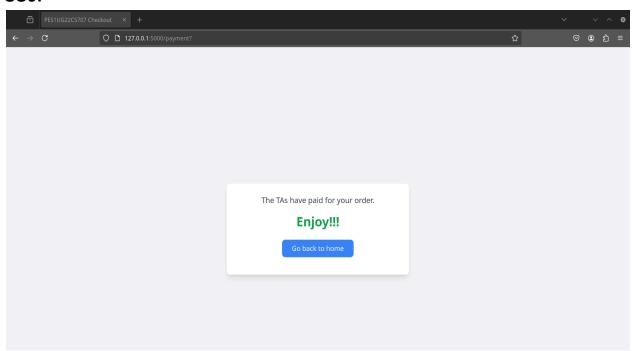
# **SS1**:



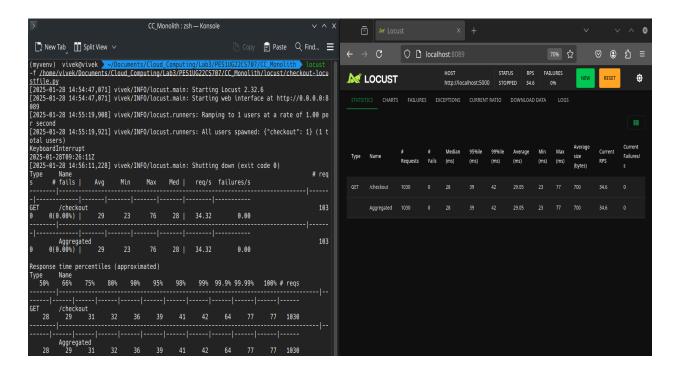
# SS2:



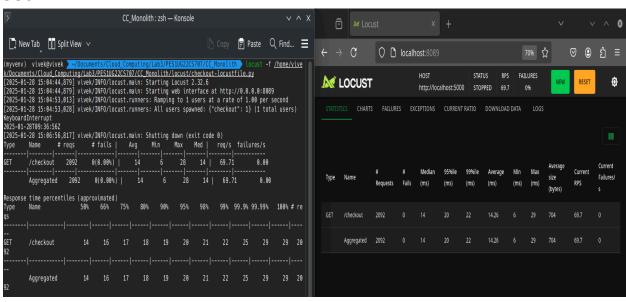
# **SS3**:



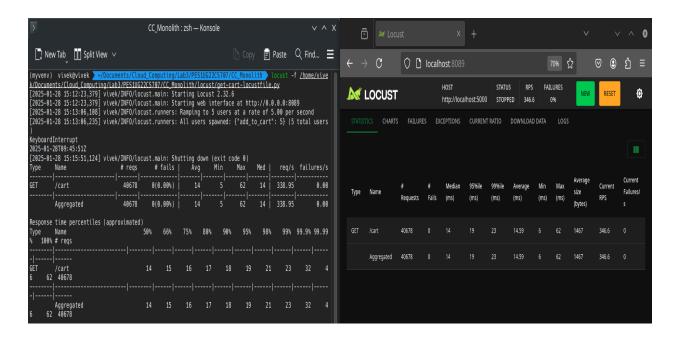
# **SS4**:



#### **SS5**:



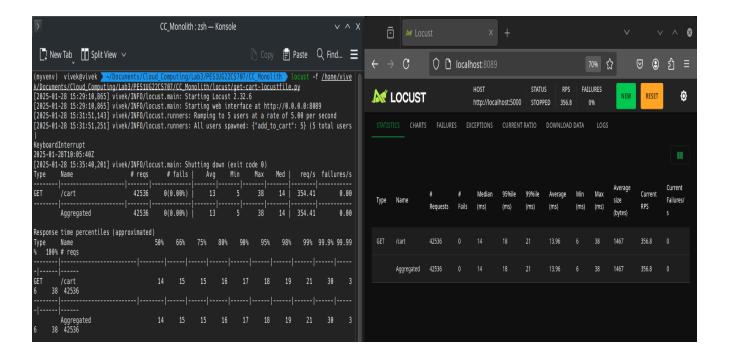
# **SS6**:



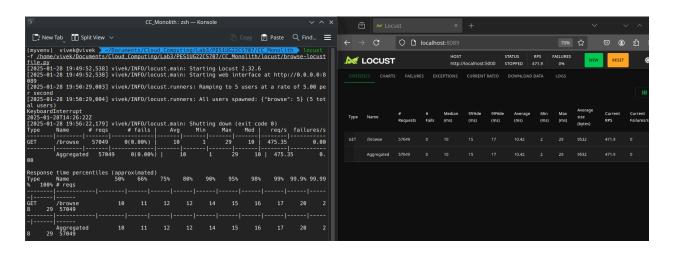
#### **SS7**:

Here, we wanted to optimize the /cart route. The following optimizations were made:

- (1) In the \_\_init\_\_ .py file under the cart directory, List comprehensions are used in place of for loops since List comprehensions are implemented in C at the interpreter level, making them more efficient than the equivalent for loop with list.append(), which involves additional overhead from Python's function calls
- (2) The dao.py file under the cart directory is updated by removing a redundant for loop and directly appending the rows to final\_cart.



#### SS8:



# **SS9**:

Here, we wanted to optimize the /browse route.

The following optimizations were made:

(1) All for loops in \_\_init\_\_.py and dao.py were replaced by list comprehension since List comprehensions are implemented in C at the interpreter level, making them more efficient than the equivalent for loop with list.append(), which involves additional overhead from Python's function calls

