Programming Languages

Dr. Gurka, Spring 2019 Assignment Cover Letter

Name: Kenneth Berry

Assignment: Bonus Lisp Function

Date submitted: 3/17/19

Total time on project: 3 hours

Programming language(s): Lisp

On time or GOOJF? On time

Is anything missing or not working correctly? Be specific. No

Did you collaborate with any classmates on this project? No

Did you get any tutoring or similar help on this project, or otherwise work with someone outside class? No

What resources and references, if any, did you use? Be specific.

I only used the Lisp QRS that was provided in class and the debug error messages that were printed out by the Steel Bank Common Lisp (SBCL) compiler when there was an error in my code.

Any special notes about your project (assumptions about unusual data, clarifications on specifications, information on how to run the code, etc.)?

The Steel Bank Common Lisp compiler would throw an undefined variable error when I tried using setf to create test variables, so I ended using defvar instead.

Explain how you tested your project.

I wrote a test plan for the function, created test variables for the various test cases, and ran tests for each test case. I then debugged the code using print statements and compiler error messages until I got the expected results.

What went well?

After the Lisp assignment, I was able to write the function debug the errors fairly quickly. I used print statements to unit-test the output of the different conditions in the cond statement and fix a few bugs where I mixed up a car and cdr.

What problems did you have?

I didn’t have any significant problems.