Post-Mortem

CS135 Winter 2022, Assignment 09

Apr 5, 2022

We normally publish the post-mortem for an assignment after it has been marked and released. Here is a list of common errors provided by the graders for assignment 9.

Parts of Q02 and Q03 were chosen to be marked for different style criteria. Thus, it is possible that other questions might have style problems that we did not address. There were also design recipe elements that we chose to give feedback on and not deduct for. You should still improve on these, since we may decide to deduct for them on a later assignment. Please review the posted solutions and style guide to help resolve any questions you may have. If that is insufficient, please raise your questions in 1-1 consulting hours.

Question 2 (holf.rkt)

Purpose, Contract and Use of char-upcase

- Many students were missing purpose and contract for these questions. These design recipe elements are always required, even for local/global helper functions. Helper functions were banned for use in this question, meaning all functions were those that were required by the assignment. In this case, it is especially important to include design recipe.

Question 3 (ca.rkt)

Purpose, Contract, Generative Recursion, and Use of local

- Many students were missing requirements in their contracts for this question. Remember that we must specify that the automaton row is non-empty (either in words, or else using (ne-listof)), as well as specifying that 0 <= rule <= 255.

- Many students did not correctly use type variables for this question. Type variables allow us to be as specific as possible in our contract during ambiguous situations. For example, \((X \rightarrow Y) Z \rightarrow (X \rightarrow Z)\) is much more informative than \((\text{Any} \rightarrow \text{Any}) \text{Any} \rightarrow (\text{Any} \rightarrow \text{Any})\).