Post-Mortem

CS135 Winter 2022, Assignment 06

Mar 8, 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 6.

Parts of Q01, Q02 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 1 (movie-list.rkt)

Template

- Many students did not correctly write the recursive case for movielist-template. As a reminder, a list template should include a case for handling (first list), as well as for making a recursive call to the template with (rest list).

- Many students did not make use of the previously defined movie-template in their movielist-template definition. The key to this question is recognizing that (first lom) is actually a movie and should be handled with our previously defined movie-template.

- Many students incorrectly wrote the base case of their movielist-template as [(empty? lom) empty]. This is not entirely correct since the return value for the base case could be many things other than empty (and thus should instead use ... notation). Consider the later functions where we ask you to define search functions where the base case is a boolean or string instead of empty.

- Many students did not use ... notation correctly. As a reminder, this notation is used as a placeholder for implementation details when the template is converted into a real function.

Question 2 (settheory.rkt)

Purpose and Contract

- Many students did not explicitly reference the function parameters by name in the purpose. As a reminder, this means that the parameters that appear in your function header should be referenced by exact name in the purpose. For example: "...takes in a set [s] and ..."
Question 3 (checksum.rkt)

Accumulative / Simple Recursion

- Due to an issue regarding a misleading hint, we have decided in the interest of fairness to not deduct marks for the use of the incorrect types of recursion in question 3. Please review the published solutions for what the different types of recursion should look like.