

Post-Mortem

CS135 Fall 2024, Assignment 02

Question 2 (`median.rkt`)

- Many students had "else cond", which is not recommended by the style guide
- Students who failed test cases did so because some cases were not considered. When there are few combinations to consider (such as this question), it would be helpful to write them out and trace through the code
- Some students did not adhere to the restrictions of the question (i.e., no other operators such as `min`, `max`, `+`, `-`).
- Some students hard coded answers. It may pass auto-testing, but it doesn't help with understanding.

Question 4 (`blood.rkt`)

General:

- Some students reversed the order of parameter names.
- Many students did not use meaningful identifier names.
 - Many students used `d` for donor and `r` for recipient.
 - Some students used other letters such as `a` & `b` or `x` & `y`.
- Some students had typo in their codes (e.g. using `0`-(zero) instead of `O`-(oh)).
- Many students used unnecessary helper functions.
 - Some students tried to get too creative with their helper functions, and didn't work out the logic correctly which led them to miss some cases.
 - Some students redundantly checked cases in their helper functions.

Part (a):

- Some students forgot to include else clause in `cond` statements.
- Some students used `and/or` in their codes, which is illegal for this part.

Part (b)

- Some students had difficulty ordering the `and/or` statements.
- Some students used `cond` in their helper functions, which is illegal for this part.

Question 5 (roadtrip.rkt)

- Many students did not consider the distance between two cities when finding the updated fatigue level.
- Some students missed that the fatigue level would stay as ready if the traveller only goes to the next city.
- Many students used multiple helper functions that serve the same purpose.
- Some students did not define a helper for at least one of the following:
 - Converting the city name into a number
 - Finding the distance between two cities
 - Finding the new fatigue level after a single leg of the trip