

POST MORTEM
CS 135 Fall 2025, Assignment 05

Question 3: natlist.rkt

Mistakes in Code Style:

- Many students did not write their own test cases for `list-sublist`.
- Many students used the `append` function in `list-zipper`, which can be very inefficient, depending on implementation.
- Many students did not write purposes for their functions.
- Many students did not write more than the given test cases.

Question 4: collide.rkt

Mistakes in Data Definition (`State`) (Q4a):

- Many students are missing the entirety of `Requires` clause.
- Many students are declaring their custom data definitions/names for maximum battery and current battery instead of using `Nat`.
- Some students used names like `Nat>0`, `Nat+1` or other variations to indicate the `Nat` should be > 0 . A `Requires` clause would be a much better way of representing this restriction.
- Some students used `cons` notation (which is much more error-prone), though `list` notation is much simpler and recommended for better style. (No deduction)

Mistakes in Code Style (Q4d):

- Some students used `first` and `rest` to access elements of a `State`, instead of accessor functions like `get-x` and `get-y`.
- Many students used a recursive call in `collide-b?` that did not decrement either list of commands, which does **not** follow our rules of recursion. (No deduction)