We publish the post-mortem for an assignment after it has been marked and released. Here is a list of common mistakes provided by the graders for assignment 7.

General

- Few students wrote all the required test cases.
- Many students did not understand mutual recursion.
- Many students are still giving ambiguous or non-meaningful names to their parameters and helper functions. In particular, ambiguous function names such as `accumulate`, `recurse`, `s11`, `s12`, `newlist`, `helper`, and `function` are some of the many poor function names that markers encountered.
- Some students did not complete the assignment.

Question 2

- For 2(d), many students omitted the test case where the `ShapeList` is empty.
- For 2(d), some students did not produce the `ShapeID` in the `Picture` when the `ShapeID` is not found in the `ShapeList`.
- For 2(e), some students did not finish or have a overly complicated solution.
- For 2(e), some students did not write a helper function to deal with a component but instead recurse on the main function, which is correct but messy, and thus we deducted a few marks in the helper function category.

Question 3

- Some students did not use mutual recursion for 3c, and the solution is unnecessarily complicated.
- Some students did not understand mutual recursion and wrote only one template function. Please reference the sample solution.
- Some student did not use mutual recursion, and their code violated their own contracts.
- Many students used `(rest string tree)` when it should be `(second string tree)`.

Question 4

- Many students did not use nested local to avoid redundant parameters.