

# SWE 619 Assignment 4

## Fall 2019

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**Goal:** Abstraction Functions and Rep-Invariants.

Provide an abstraction function and rep-invariant for the (mutable) `stack` example from assignment 3.

1. Implement the abstraction function (as `toString()`) and the representation invariant (as `repOk()`).
2. Once your code is complete, add some fault (intentionally, if necessary) that results in a violation of the rep-invariant.

Your fault should be a "missing code" fault. In other words, you should introduce your fault by deleting some code in your (correct) implementation.

Demonstrate that your faulty code is, indeed, faulty with a call to `repOk()` from a JUnit test. To help out the GTA, you should document your fault with an easily identifiable comment in your code.