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Assignment 2

Coder and Tester refactoring

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Coder – Kieran Abelen

# Repository link:

Original: (Marcus)  
Branch repository: (Kieran)

# Refactoring

## Introduction

There is a lot of duplicate code present since there are 3 parser subclasses and 3 drawer subclasses. This will lead to a duplicate code bad smell along with another bad smells with the resulting refactoring being a combination of the two.  
An example of a refactor would be 2 drawers were Extracted into one 1 drawer and this method also solved another bad smell Long method(this will be undertaken).

Smell detection

* 1. The location of each bad smell identified (N marks)
  2. The reasons why you think that the ones you identify are bad smells in a concise fashion (N marks)
  3. Brief description about the refactoring strategies/ approaches you are going to use to remove each bad smell (N marks)

1. Refactoring (5 \* N marks)

In order to remove the bad smells that you previously identified, you need to follow the refactoring process that we discussed in class sessions.

1. Identifying the worst smell and the reasons why it is the worst one (N marks)
2. Version control via an online repository (N marks)
3. Modification to remove the worst smell and PEP8 validation (2 \* N marks)
4. Testing and effectively evaluations on your refactored code in a concise fashion (N marks)

# References

Kieran. (n.d.). *mellyonz/Assignment\_2\_G2-\_Kieran-Tester.* Retrieved from github.com: https://github.com/mellyonz/Assignment\_2\_G2-\_Kieran-Tester

Marcus. (n.d.). *forestraindrip/PR301\_Assignment2: The source code for PR301 Assignment2.* Retrieved from github.com: https://github.com/forestraindrip/PR301\_Assignment2