

# SSAD Assignment 3 - Code Review

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Code Review of the Assignment: **Mario**

1. Number of Lines Reviewed: **1159**
2. Number of Classes: **16**
3. Number of Methods: **52**
4. Number of Bugs Identified: **2**
5. Number of Code Smells Identified: **100**

## 1 Bugs

Major/Minor bugs found and fixed

Bug Number	Short Description	Status
<i>#1</i>	Player can play Levels 3+, although only levels 1-2 are defined	Fixed
<i>#2</i>	Game crashes on non-numeric input during level selection	Fixed
<i>#3</i>	Jump fails randomly on testing with pytest	Not Fixed
<i>#4</i>	Movement Right and Left has a random delay, found with pytest	Not Fixed

## 2 Code Smells

Code Smells found and fixed

Code Smell	Short Description
Comments	Missing Docstrings, unnecessary comments, lack of required commenting in parts of the file
Long Method	maps.genlevel() is too long; gamestate.change__state() is too long
Long Parameter List	
Long Class	
Middle Man	Thing is a wrapper class and has no functionality
Indecent Exposure	