

1. Long Method in SetObject method in AssetSetter class

Solution:

- Decomposed the method into other methods that were named appropriately after it's intention
- New methods that were added to fix this includes: setLevel0Objects, setLevel1Objects, and setLevel2Objects. Each level has its own method to set objects now.
- Commit: 112a4b147c4ca1ef3c7859f0a52ec88f132d477b

2. Long Method in SetMonster method in AssetSetter class

Solution:

- Decomposed the method into other methods that were named appropriately after it's intention
- New methods that were added to fix this includes: setLevel0Enemies, setLevel1Enemies, and setLevel2Enemies. Each level has its own method to set enemies now.
- Commit: 112a4b147c4ca1ef3c7859f0a52ec88f132d477b

3. Duplicated Code in restart and retry methods in GamePanel class

Solution:

- Used extract method and invoked the code from both places.
- The new method that was added contains code that was found in the restart and retry
- Commit: 8424043575a8903e39436c851e04223599ed7441

4. Unused Variable in MainCharacterTV class

Solution:

- Removed hasKeyCard boolean variable as it was never used
- Variable was used before but was accidentally left behind after design changes
- Commit: 1870a9ca93e6e4d0cf4fb71bdc1184845d05649f

5. Unused Variable in MovingObject and MainCharacterTV class

Solution:

- Removed DirectionX and DirectionY integer variables as they were never used
- Variable was used before but was accidentally left behind after design changes
- Commit: f2328e145475df5142850076417c9f44c8530778

6. Unused Variable in Entity class

Solution:

- Removed image6 BufferedImage variable as it was never used
- Variable was used before but was accidentally left behind after design changes
- Commit: e445ed66c3720bc4c74607abc05b6a93e02e12fa