

Code Smell 1: Feature Envy

Location: saveContact method in EditContactActivity

Description: The saveContact method is heavily interacting with the ContactListController and ContactController classes to perform its operations.

Why it's a problem: Feature Envy occurs when a method is more interested in the data of another class than its own. This can lead to tight coupling between classes and makes the code harder to maintain.

Solution: Move the logic related to contact validation and updating into the ContactController or ContactListController. This way, EditContactActivity will only handle UI-related tasks.

Code Smell 2: Primitive Obsession

Location: saveItem method in AddItemActivity

Description: The saveItem method uses multiple primitive data types (String for title, maker, description, length, width, and height) to represent the properties of an item. This can lead to scattered validation logic and makes the code harder to maintain.

Why it's a problem: Primitive Obsession occurs when primitive data types are used excessively instead of creating small classes to represent concepts. This can lead to code that is less readable and harder to maintain, as well as duplicated validation logic.

Solution: Create a Dimensions class to encapsulate the length, width, and height properties. This class can include validation logic and make the code more modular and easier to maintain.