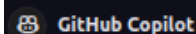


Lucas-Tito

fix the Feature Envy code smell using the Move Method refactoring technique



GitHub Copilot

I'll help you fix the Feature Envy code smell in these files. The `TimelineView` class is using too many features from the `HabitTracker` class, specifically when formatting dates and getting habit records. Let's move these responsibilities to where they belong. Here's the step-by-step solution:

1. Move the `formatHabitDate` method from `HabitTracker` to `TimelineView` since it's primarily used for view formatting
2. Create a method in `Habit` class to hold its records
3. Update the `TimelineView` to work with the new structure

[HabitTracker.java](#)

Remove the `formatHabitDate` method and move record tracking to `Habit` class.

`HabitTracker.java` +20 -0

[TimelineView.java](#)

Move date formatting to this class and update the view logic.

`TimelineView.java` +1 -29

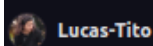
[Habit.java](#)

Add record tracking to the `Habit` class.

`Habit.java`

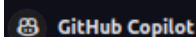
These changes resolve the Feature Envy smell by:

1. Moving date formatting to the view layer where it belongs
2. Making `Habit` responsible for managing its own records
3. Simplifying the `HabitTracker` class by removing responsibilities that belonged elsewhere
4. Maintaining proper encapsulation by returning copies of collections



Lucas-Tito

move `habitDateViewAll` to `HabitTracker`



GitHub Copilot

I'll help move the `habitDateViewAll` method from `TimelineView` to `HabitTracker` since it's closely related to the habit tracking functionality. Here's the solution:

[HabitTracker.java](#)

Add the `formatHabitDate` and `habitDateViewAll` methods to `HabitTracker`.

`HabitTracker.java`

[TimelineView.java](#)

Remove the entire class as it's no longer needed.

`TimelineView.java`