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EE 461L

26 November, 2020

Tutorial 10

1. Before, the logic for updating the "original" color and for computing the "complementary" color were both embedded in the DisplayColors class. Where are they now?
    a. The logic now lies within each respective class file; OriginalColor.java and ComplementaryColor.java
2. Write a description of not more than 1/2 a page indicating how the MVC pattern might relate to our color changing problem
    a. Model View Controller aka MVC is way of organizing your code into sections where each section holds a different purpose. The model code reflects the real-world things (the raw data). The view code holds all the functions that directly interact with a user. The view code is a visual representation of it's models. Lastly, the controller code is the bridge between the model and view code. The controller code receives user input and then decides where it goes. Typically, folders for each concept in MVC is created and the code that is associated with each concept is put into that folder. MVC helps transform your thought and ideas into code as well as help other developers to understand your code.

       When applying the MVC framework to our color changing problem, I want to think of the DisplayColors as both the view and control and ColorPanel as the model. The observers would be the PropertyChangeListener interface and the DisplayColors. The PropertyChangeListener observes OriginalColorPanel and waits to see if the state changes. DisplayColor observes the ChangeListener interface.

    MVC: Model, View, Controller | Codecademy

    Understanding Model-View-Controller (codinghorror.com)

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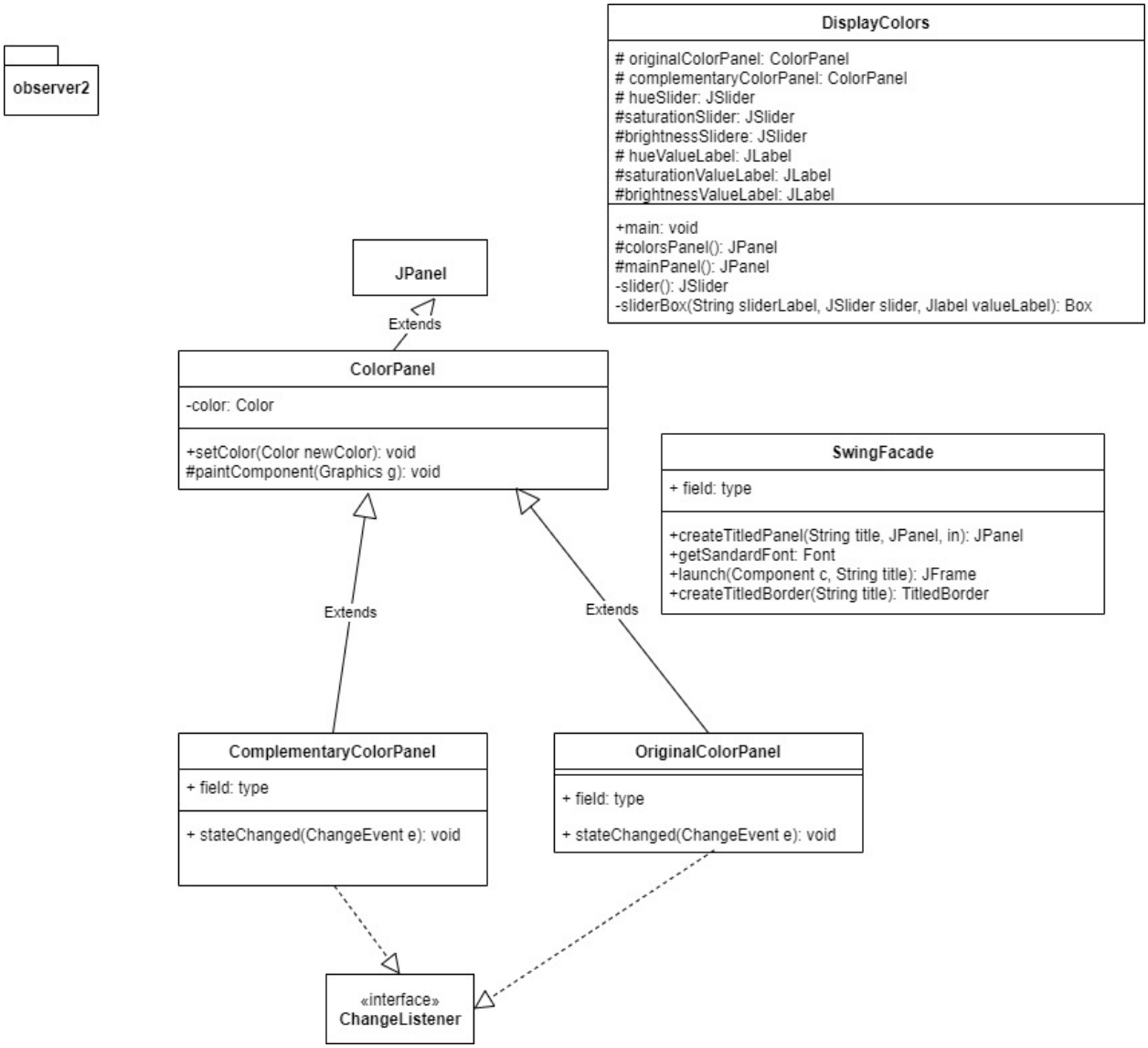
UML DIAGRAMS

1. 1ST Refactor



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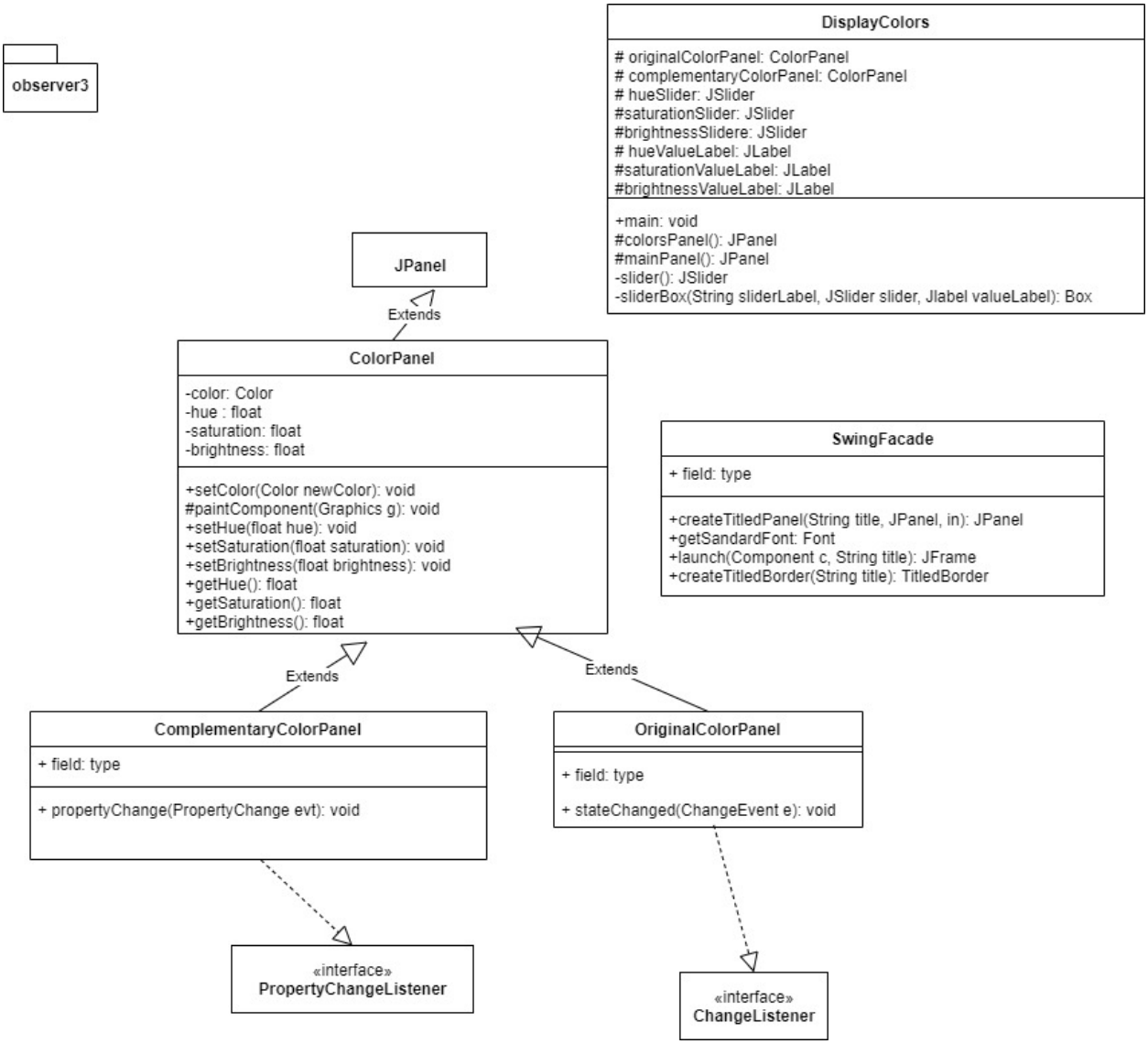
2. 2nd Refactor



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3. MVC