







The MVC (Model-View-Controller) design pattern consists of a model, view, and controller in which the model represents an object and contains logic to update the controller. The view consists of the visualization of the data that the model contains, and the controller that acts on both the model and view by controlling the flow of data and updating the view as the data changes, keeping the model and view separate. In the case of our program, the MVC class would act as the controller, taking input from the sliders as the view and manipulating the model in order to change the color the of the panels. We would add a class to our already existing program called DisplayView that has the sliders for the colors and the actual color boxes. The DisplayColors class is the controller that mediates the flow of data between the colorPanels and the Display view so that whenever the sliders change in the DisplayView class, the DisplayColors would know and pass that information into the colorPanels. The colorPanels would be the model as it changes the colors that need to be viewed depending on the slider values. These would all be connected by the main MVC class which would connect the colorPanels to the DisplayColors and vice versa, therefore creating a control for the model.