Karan Khullar

Professor Byron Hoy

Programming and Problem Solving I

1 December 2019

MVC Design Pattern Notes

The MVC Design pattern splits an application into three loosely coupled parts. There is the Model, which is simply a data container. Can have logic to update the View if data changes. Next is the View which presents the data to the user. The View can access the data in the Model but does not need to know what the data means. Last is the Controller, which waits for events triggered by the view, and does the action that is triggered by the event, which may update the Model, in turn updating the View.

Pros:

* Different developers can work on different parts of the application at the same time (Model, View, Controller).
* Models can have multiple views.
* Loosely coupled design.
* Can use observer pattern for model and view to interact.

Cons:

* Can add layers of complexity to program.
  + Can take more time due to this.