Model-View-Controller (MVC) Pattern

- An architectural pattern used to help separate the external view of an application from the logic
 - The model contains the underlying classes containing the logic and state of the application
 - The view contains objects used to render the appearance of the data from the model in the user interface
 - The controller handles the user's interaction with the view and the model

MVC Applications

Practically all web frameworks use MVC.

Angular.js - forces you to use MVC on the client side (in Javascript). Client-server design is yet another MVC.

GUI Interfaces, like Swing (see Core Java, p.339-345)

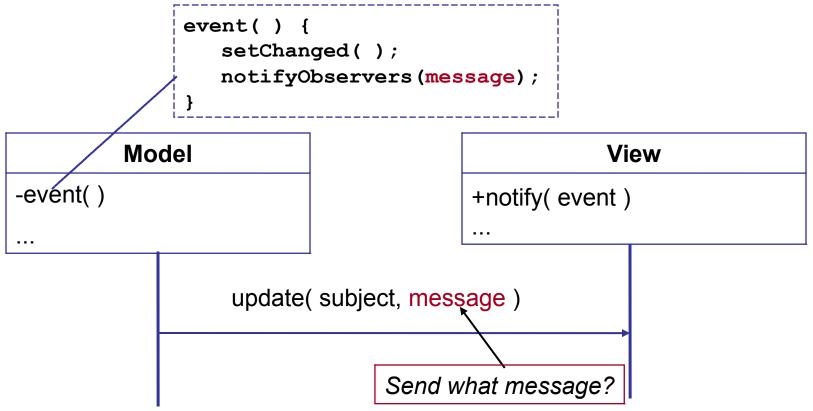
Editors: Dreamweaver

Model and Views

The model and view relationship is often implemented as the Observable Pattern.

This lets the application have multiple views.

Reduces "coupling" between model and view.



View and Controller

The view calls the controller class when it wants to do something.

