



CSIS 4135

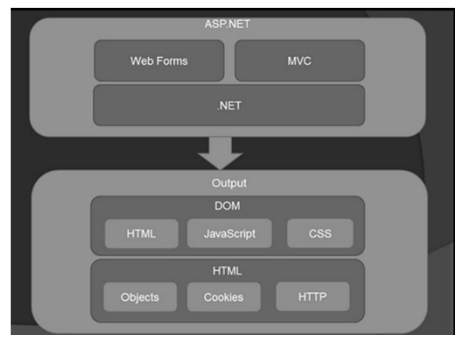
ASP.NET MVC
(Model View Controller)



ASP.NET Web Forms
Abstraction that hides the HTTP layer



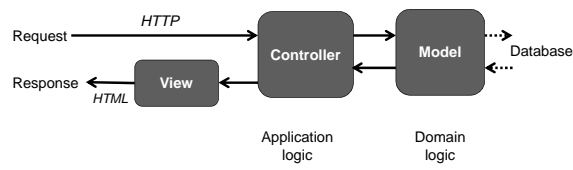
Web Forms and MVC are two ways to accomplish the same tasks. Both are subsets of ASP.NET



MVC

- Doesn't hide HTTP's stateless nature
- Natively "Wired for Testing"
- AJAX friendly, more Web 2.0-like
- MVC Pattern has been around a long time
- Requires use of conventions
 - File names, etc.
- Closer to lower levels than Web Forms

MVC Architecture



Model

Classes that describe the data used by the application and rules for interacting with the data

ViewData

- A "dictionary" collection
- Assigned by controllers which sends it to views

View

- The markup sent to the browser
- Usually uses information from the Model
- Should never include any business logic
 - The model should do this



Controller

- Responsible for responding to user input
 - May result in changes to the Model
- Decides which View is appropriate based on the request



URL Routing

- Helps make "pretty" URLs that are separated from the code
- Configured in global.asax

