

# Module 6

## Developing Models

# Developing Models

An MVC model is a collection of classes

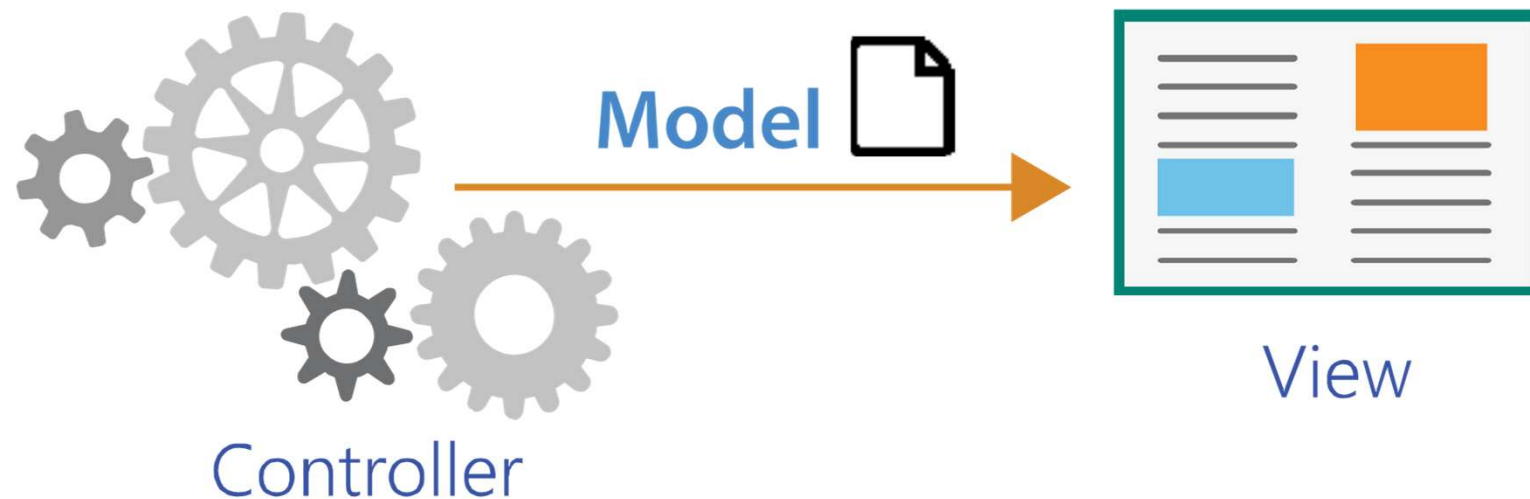


# The Photo and Comment Model Classes

```
public class Photo {  
    public int PhotoID { get; set; }  
    public string Title { get; set; }  
    public byte[] PhotoFile { get; set; }  
    public string Description { get; set; }  
    public DateTime CreatedDate { get; set; }  
    public string Owner { get; set; }  
    public virtual ICollection<Comment> Comments { get; set; }  
}  
  
public class Comment {  
    public int CommentID { get; set; }  
    public int PhotoID { get; set; }  
    public string UserName { get; set; }  
    public string Subject { get; set; }  
    public string Body { get; set; }  
    public virtual Photo Photo { get; set; }  
}
```

# Passing Models to Views

The instances of model classes are usually created in a controller and passed to a view



# Validating User Input with Data Annotations

```
public class Person
{
    [Required(ErrorMessage = "Please enter a name.")]
    public string Name { get; set; }

    [Range(0, 150)]
    public int Age { get; set; }

    [Required]
    [RegularExpression(".+\\@.+\\.+.+") ]
    public string EmailAddress { get; set; }

    [DataType(DataType.MultilineText)]
    [StringLength(20)]
    public string Description { get; set; }
}
```