```csharp
 1  using System;
 2  using System.Collections.Generic;
 3  using System.ComponentModel.DataAnnotations;
 4  using System.Linq;
 5  using System.Web;
 6  using System.Web.Mvc;
 7
 8  namespace Ch24ShoppingCartMVC.Models.ViewModels
 9  {
10      public class CheckoutViewModel
11      {
12          [RegularExpression(@"[0-9]+-", ErrorMessage = "The Credit Card number  ⮠
               must be 16 digits")]
13          [Display(Name = "Credit Card Number")]
14          [Required]
15          [StringLength(16, MinimumLength = 16)]
16          public string CreditCardNumber { get; set; }
17
18          [Display(Name = "Cardholder Name")]
19          [Required]
20          [StringLength(60, MinimumLength = 2)]
21          public string CardholderName { get; set; }
22
23
24          [Display(Name = "Card Type")]
25          [Required]
26          [StringLength(6, MinimumLength = 5)]
27          public string CardType { get; set; }
28
29
30          [Display(Name = "Card Provider")]
31          [Required]
32          [StringLength(30, MinimumLength = 4)]
33          public string CardProvider { get; set; }
34
35
36          [Display(Name = "Expiration Date")]
37          [Required]
38          [DataType(DataType.Date)]
39          [DisplayFormat(DataFormatString = "{MM}")]
40          public DateTime ExpirationDate { get; set; }
41
42
43          [Display(Name = "First Name")]
44          [Required]
45          [StringLength(100, MinimumLength = 4, ErrorMessage = "The Name must be  ⮠
               at least 4 - 100 "
46        + "characters long.")]
47          public string FirstName { get; set; }
```

```csharp
48
49            [Display(Name = "Last Name")]
50            [Required]
51            [StringLength(100, MinimumLength = 4, ErrorMessage = "The Last Name
                 must be at least 4 - 100 "
52            + "characters long.")]
53            public string LastName { get; set; }
54
55
56            [Display(Name = "Address")]
57            [Required]
58            [StringLength(100, MinimumLength = 2)]
59            public string Address { get; set; }
60
61
62            [Display(Name = "City")]
63            [Required]
64            [StringLength(100, MinimumLength = 2)]
65            public string City { get; set; }
66
67
68            [Display(Name = "State")]
69            [Required]
70            [StringLength(5, MinimumLength = 2)]
71            public string State { get; set; }
72
73
74            [Display(Name = "Postal Code")]
75            [Required]
76            [StringLength(11, MinimumLength = 5)]
77            public string PostalCode { get; set; }
78
79
80            [Display(Name = "Country")]
81            [Required]
82            [StringLength(60, MinimumLength = 2)]
83            public string Country { get; set; }
84
85
86            [RegularExpression(@"[0-9]+-", ErrorMessage = "The Phone number must be
                 10 digits")]
87            [Display(Name = "Phone Number")]
88            [Required]
89            [StringLength(14, MinimumLength = 12)]
90            public string PhoneNumber { get; set; }
91
92
93            [Display(Name = "Email Address")]
94            [Required]
```

```
 95            [StringLength(100, MinimumLength = 6)]
 96            public string Email { get; set; }
 97
 98        }
 99    }
100
```