

Practical no 3

AIM: Demonstrates using the binding attribute of an endpoint element in WCF with webform.

Program Code:-**IService1.cs**

```
using System;
using System.Collections.Generic;
using System.Runtime.Serialization;
using System.ServiceModel;
using System.Text;
namespace WcfService7
{
    [ServiceContract]
    public interface IService1
    {
        [OperationContract]
        string Recharge(string Name, string company, string number, int amount);
    }
}
```

Service1.svc.cs

```
using System;
using System.Collections.Generic;
using System.Runtime.Serialization;
using System.ServiceModel;
using System.Text;
namespace WcfService7
{
    public class Service1 : IService1
    {
        public string Recharge(string Name, string company, string number, int amount)
        {
            string message = string.Empty;

            if (string.IsNullOrEmpty(Name) || string.IsNullOrEmpty(company))
            {
                message = "Please Enter your name or company name";
            }
            else
            {
                if (number.Length == 10 && amount > 0)
                {
                    message = "Recharge of " + amount + " Rs has been done successfully.";
                }
                else
                {

```

```
        message = "Recharge unsuccesfull. Please try again";
    }
    }
    return message;
}
}
```

WebForm.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="Wcf-Service7.WebForm1" %>
```

```
<!DOCTYPE html>
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Mobile Recharge</title>
    <style>
    * {
    box-sizing: border-box
    }
    /* Add padding to containers */
    .container {
    padding: 16px;
    }
    /* Full-width input fields */
    input[type=text], input[type=password] {
    width: 100%;
    padding: 15px;
    margin: 5px 0 22px 0;
    display: inline-block;
    border: none;
    background: #f1f1f1;
    }
    input[type=text]:focus, input[type=password]:focus {
    background-color: #ddd;
    outline: none;
    }
    /* Overwrite default styles of hr */
    hr {
    border: 1px solid #f1f1f1;
    margin-bottom: 25px;
    }
    /* Set a style for the submit/register button */
    .registerbtn {
    background-color: #4CAF50;
    color: white;
    padding: 16px 20px;
    margin: 8px 0;
    border: none;
    cursor: pointer;
    width: 100%;
    opacity: 0.9;
    }
    }
```

```
.registerbtn:hover {
opacity: 1;
}

/* Add a blue text color to links */
a {
color: dodgerblue;
}
/* Set a grey background color and center the text of the "sign in" section */
.signin {
background-color: #f1f1f1;
text-align: center;
}
</style>
</head>
<body>
    <form id="form1" runat="server">
    <div>
    <div class="container">
    <caption class="auto-style1">
    <h1>Recharge</h1>
    <hr>
    <label for="email"><b>Name</b></label>
    <asp:TextBox ID="name" placeholder="Enter full name"
runat="server"></asp:TextBox>
    <label for="company"><b>Company</b></label>
    <asp:TextBox ID="company" placeholder="Enter full name"
runat="server"></asp:TextBox>
    <label for="no"><b>Mobile number</b></label>
    <asp:TextBox ID="no" placeholder="Enter full name" runat="server"></asp:TextBox>
    <label for="amount"><b>Amount</b></label>
    <asp:TextBox ID="amount" placeholder="Enter amount"
runat="server"></asp:TextBox>
    <hr>
    <asp:Button ID="rechargebtn" runat="server" Text="Recharge" BackColor="#4CAF50"
OnClick="rechargebtn_Click" Height="48px" Width="159px" />
    <hr>
    <asp:Label ID="lbl" runat="server" Text=""></asp:Label>
    </div>
    </div>
    </form>

</body>
</html>
```

WebForm.aspx.cs

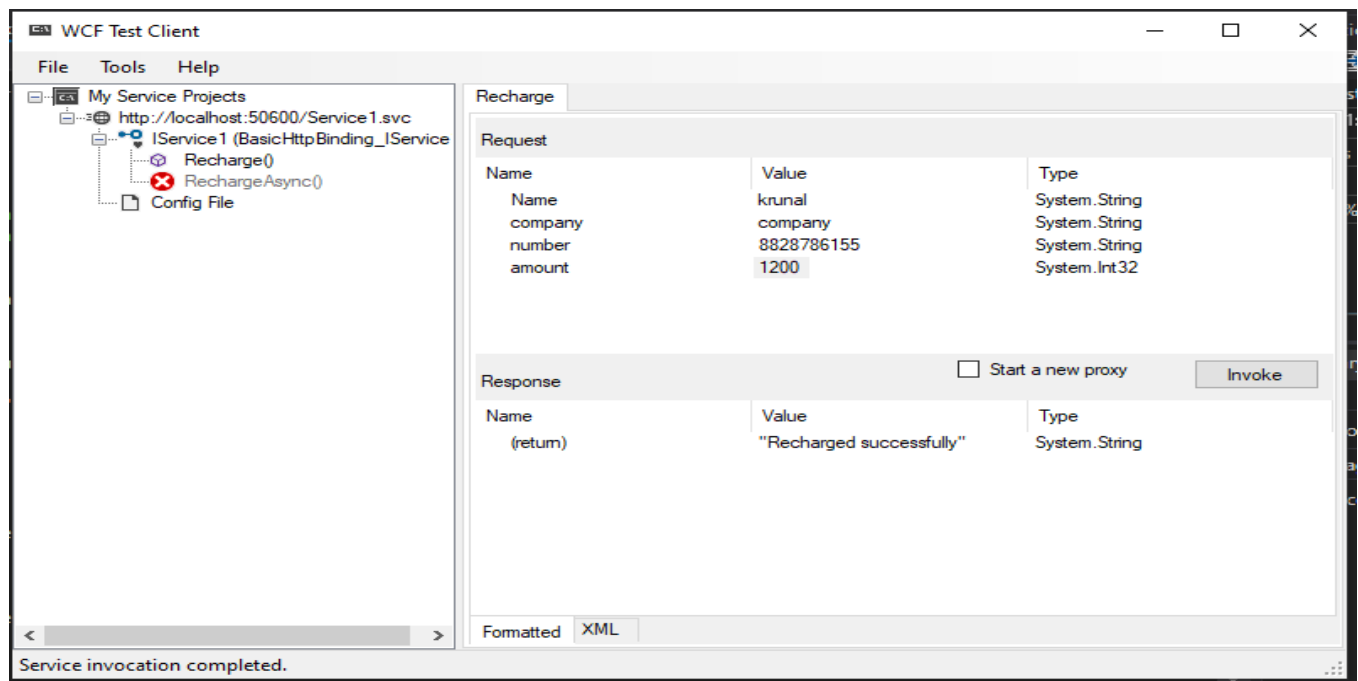
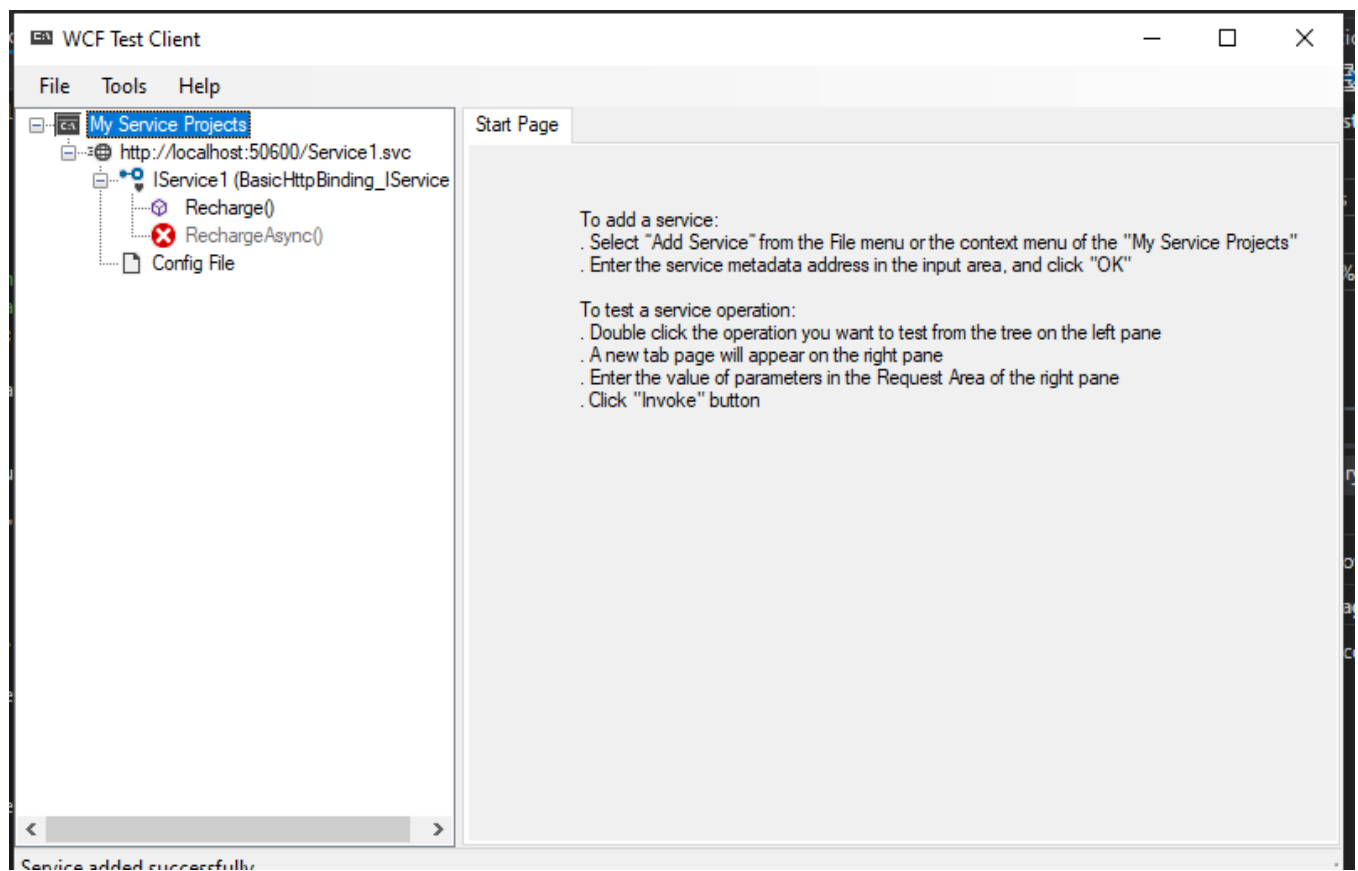
```
using System;
using System.Collections.Generic;

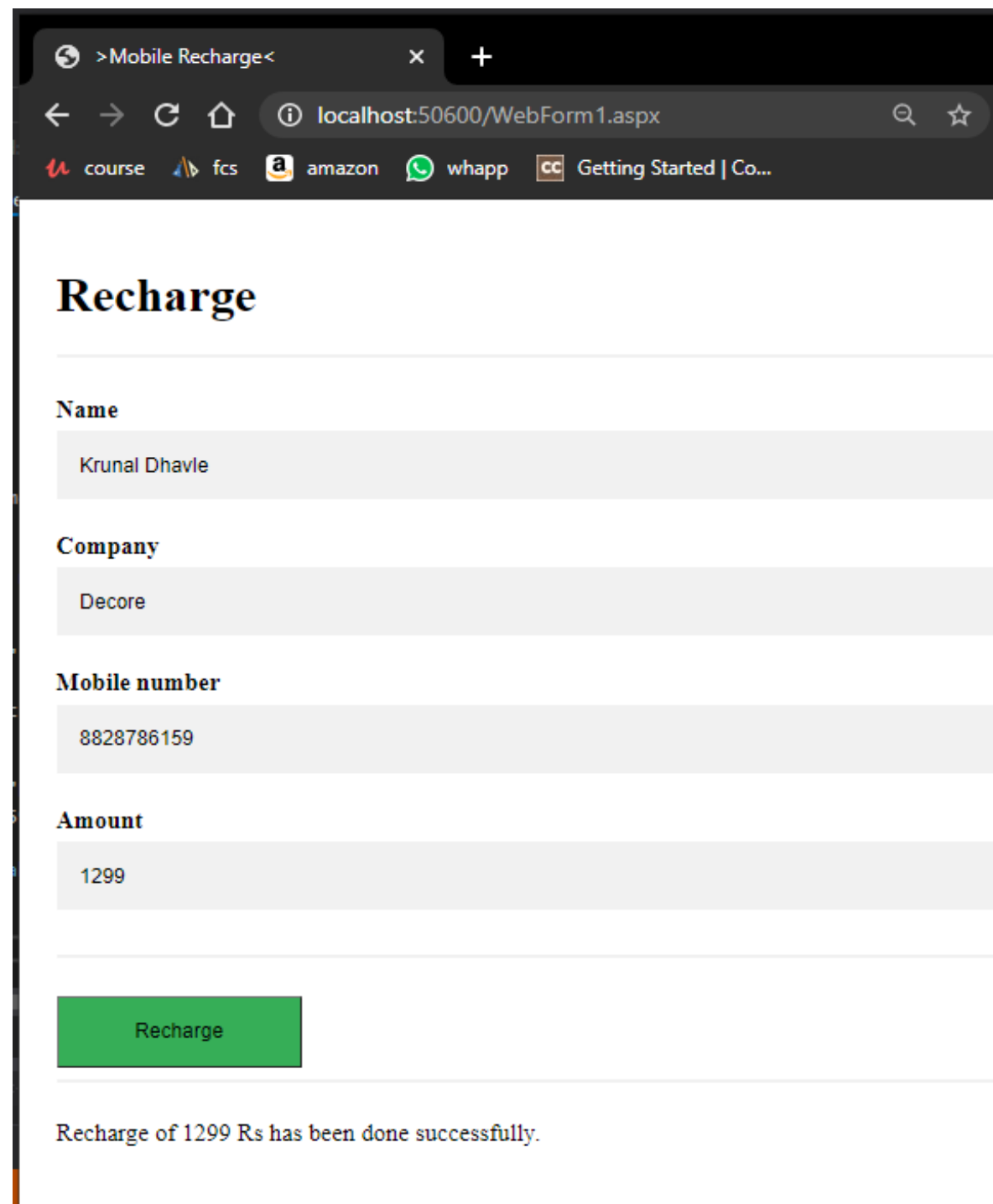
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
namespace WcfService7
{
```

```
public partial class WebForm1 : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
    }
    protected void rechargebtn_Click(object sender, EventArgs e)
    {
        try
        {
            ServiceReference1.Service1Client client = new ServiceReference1.Service1Cli-
ent();
            lbl.Text = client.Recharge(name.Text, company.Text, no.Text,
            Convert.ToInt32(amount.Text));
        }
        catch (Exception)
        {
        }
    }
}
```

WebConfig file

```
<bindings>
  <basicHttpBinding>
    <binding name="BasicHttpBinding IService1" />
  </basicHttpBinding>
</bindings>
<client>
  <endpoint address="http://localhost:50600/Service1.svc" binding="basicHttpBinding"
    bindingConfiguration="BasicHttpBinding IService1" contract="ServiceRefer-
ence1.IService1"
    name="BasicHttpBinding IService1" />
</client>
```

Output



>Mobile Recharge< x +

localhost:50600/WebForm1.aspx

course fcs amazon whapp Getting Started | Co...

Recharge

Name

Krunal Dhavle

Company

Decore

Mobile number

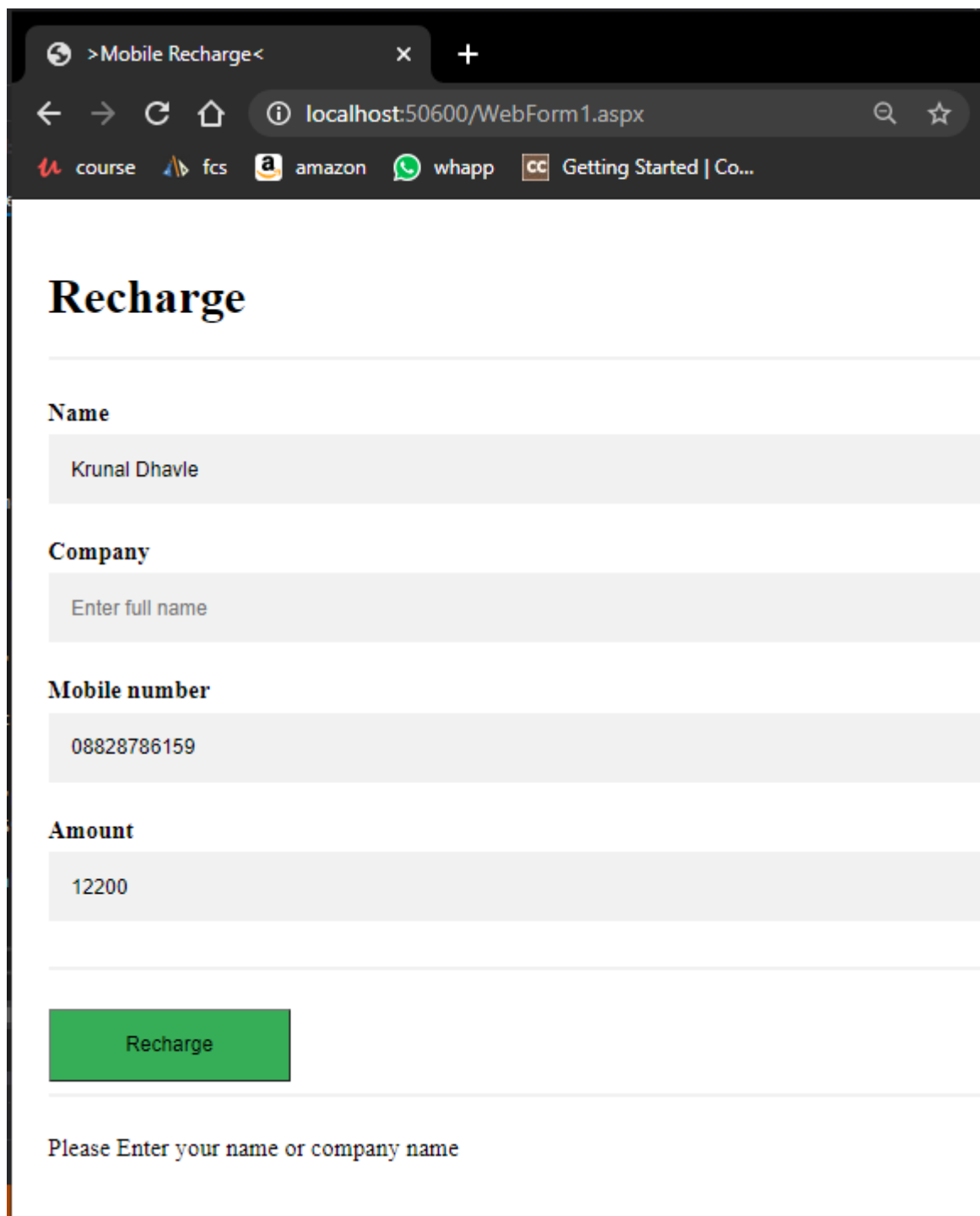
8828786159

Amount

1299

Recharge

Recharge of 1299 Rs has been done successfully.



The screenshot shows a web browser window with a single tab titled ">Mobile Recharge<". The address bar displays "localhost:50600/WebForm1.aspx". The browser's taskbar at the bottom includes icons for "course", "fcs", "amazon", "whapp", and "Getting Started | Co...".

The web page has a title "Recharge" in a large, bold, serif font. Below the title is a horizontal line. The form consists of four labeled input fields, each with a light gray background:

- Name**: Contains the text "Krunal Dhavle".
- Company**: Contains the placeholder text "Enter full name".
- Mobile number**: Contains the text "08828786159".
- Amount**: Contains the text "12200".

Below these fields is a green rectangular button with the text "Recharge".

At the bottom of the form area, there is a text label: "Please Enter your name or company name".