Pass Task 3.2 Client program

Client service proxy:

```csharp
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;

namespace SwinSchool.WebUI.Service
{
    [System.CodeDom.Compiler.GeneratedCodeAttribute("System.ServiceModel", "3.0.0.0")]
    [System.ServiceModel.ServiceContractAttribute(ConfigurationName = "IMyUserBO")]
    public interface IMyUserBO
    {

        [System.ServiceModel.OperationContractAttribute(Action =
"http://tempuri.org/IMyUserBO/GetAllUsers", ReplyAction =
"http://tempuri.org/IMyUserBO/GetAllUsersResponse")]
        SwinSchool.CommonShared.Dto.MyUserDto[] GetAllUsers();

        [System.ServiceModel.OperationContractAttribute(Action =
"http://tempuri.org/IMyUserBO/CreateUser", ReplyAction =
"http://tempuri.org/IMyUserBO/CreateUserResponse")]
        void CreateUser(SwinSchool.CommonShared.Dto.MyUserDto userDto);

        [System.ServiceModel.OperationContractAttribute(Action =
"http://tempuri.org/IMyUserBO/UpdateUser", ReplyAction =
"http://tempuri.org/IMyUserBO/UpdateUserResponse")]
        void UpdateUser(SwinSchool.CommonShared.Dto.MyUserDto userDto);

        [System.ServiceModel.OperationContractAttribute(Action =
"http://tempuri.org/IMyUserBO/GetUserById", ReplyAction =
"http://tempuri.org/IMyUserBO/GetUserByIdResponse")]
        SwinSchool.CommonShared.Dto.MyUserDto GetUserById(string id);

        [System.ServiceModel.OperationContractAttribute(Action =
"http://tempuri.org/IMyUserBO/DeleteUser", ReplyAction =
"http://tempuri.org/IMyUserBO/DeleteUserResponse")]
        void DeleteUser(string userId);

        [System.ServiceModel.OperationContractAttribute(Action =
"http://tempuri.org/IMyUserBO/ResetPassword", ReplyAction =
"http://tempuri.org/IMyUserBO/ResetPasswordResponse")]
        void ResetPassword(SwinSchool.CommonShared.Dto.ResetPasswordRequestDto
resetPasswordRequest);
    }

    [System.CodeDom.Compiler.GeneratedCodeAttribute("System.ServiceModel", "3.0.0.0")]
    public interface IMyUserBOChannel : IMyUserBO, System.ServiceModel.IClientChannel
    {
    }

    [System.Diagnostics.DebuggerStepThroughAttribute()]
    [System.CodeDom.Compiler.GeneratedCodeAttribute("System.ServiceModel", "3.0.0.0")]
    public partial class MyUserBOClient : System.ServiceModel.ClientBase<IMyUserBO>, IMyUserBO
    {

        public MyUserBOClient()
        {
        }

        public MyUserBOClient(string endpointConfigurationName) :
                base(endpointConfigurationName)
        {
        }

        public MyUserBOClient(string endpointConfigurationName, string remoteAddress) :
                base(endpointConfigurationName, remoteAddress)
        {
        }
```

```csharp
        public MyUserBOClient(string endpointConfigurationName, System.ServiceModel.EndpointAddress
remoteAddress) :
                base(endpointConfigurationName, remoteAddress)
        {
        }

        public MyUserBOClient(System.ServiceModel.Channels.Binding binding,
System.ServiceModel.EndpointAddress remoteAddress) :
                base(binding, remoteAddress)
        {
        }

        public SwinSchool.CommonShared.Dto.MyUserDto[] GetAllUsers()
        {
            return base.Channel.GetAllUsers();
        }

        public void CreateUser(SwinSchool.CommonShared.Dto.MyUserDto userDto)
        {
            base.Channel.CreateUser(userDto);
        }

        public void UpdateUser(SwinSchool.CommonShared.Dto.MyUserDto userDto)
        {
            base.Channel.UpdateUser(userDto);
        }

        public SwinSchool.CommonShared.Dto.MyUserDto GetUserById(string id)
        {
            return base.Channel.GetUserById(id);
        }

        public void DeleteUser(string userId)
        {
            base.Channel.DeleteUser(userId);
        }

        public void ResetPassword(SwinSchool.CommonShared.Dto.ResetPasswordRequestDto
resetPasswordRequest)
        {
            base.Channel.ResetPassword(resetPasswordRequest);
        }
    }

}
```

UserController.cs

```csharp
using SwinSchool.CommonShared.Dto;
using System;
using System.Collections.Generic;
using System.Configuration;
using System.Linq;
using System.Web;
using System.Web.Mvc;
using System.ServiceModel;
using SwinSchool.WebUI.Service;
using SwinSchool.WebUI.Models;

namespace SwinSchool.WebUI.Controllers
{
    public class UserController : Controller
    {
        MyUserBOClient _myUserService = new MyUserBOClient("BasicHttpBinding_IMyUserBO");

        //
        // GET: /User/

        public ActionResult Index()
        {
```

```csharp
            List<MyUserDto> allUserList = new List<MyUserDto>();
            allUserList = new List<MyUserDto>(_myUserService.GetAllUsers());

            return View(allUserList);
        }

        //
        // GET: /User/Create

        public ActionResult Create()
        {
            return View();
        }

        //
        // POST: /User/Create

        [HttpPost]
        public ActionResult Create(MyUserDto myUser)
        {
            try
            {
                _myUserService.CreateUser(myUser);
                return RedirectToAction("Index");
            }
            catch
            {
                return View();
            }
        }

        //
        // GET: /User/Edit/5

        public ActionResult Edit(string id)
        {
            return View(_myUserService.GetUserById(id));
        }

        //
        // POST: /User/Edit/5

        [HttpPost]
        public ActionResult Edit(MyUserDto myUser, FormCollection collection)
        {
            try
            {
                if(collection["hfAction"]=="Save")
                {
                    _myUserService.UpdateUser(myUser);
                }
                else if (collection["hfAction"] == "Delete")
                {
                    _myUserService.DeleteUser(myUser.UserID);
                }
                return RedirectToAction("Index");
            }
            catch(Exception ex)
            {
                return View(myUser);
            }
        }

        //
        // POST: /User/Delete/5

        [HttpPost]
        public ActionResult Delete(string id, FormCollection collection)
        {
            try
            {
                // TODO: Add delete logic here
                return RedirectToAction("Index");
            }
        }
```

```csharp
            catch (Exception ex)
            {
                return View();
            }
        }

        public ActionResult ResetPassword(string id)
        {
            var user = _myUserService.GetUserById(id);

            ResetPasswordRequestViewModel vm = new ResetPasswordRequestViewModel()
            {
                Name = user.Name,
                SecQn = user.SecQn,
                UserID = user.UserID
            };

            return View(vm);
        }

        [HttpPost]
        public ActionResult ResetPassword(ResetPasswordRequestViewModel resetPasswordModel)
        {
            if(!ModelState.IsValid)
                return View(resetPasswordModel);

            try
            {
                var resetPasswordDto = new ResetPasswordRequestDto()
                {
                    SecAns = resetPasswordModel.SecAns,
                    UserId = resetPasswordModel.UserID
                };

                _myUserService.ResetPassword(resetPasswordDto);
                return RedirectToAction("ResetPasswordSuccess");
            }
            catch (Exception ex)
            {
                ModelState.AddModelError("SecAns", ex);

                return View(resetPasswordModel);
            }

        }

        public ActionResult ResetPasswordSuccess()
        {
            return View();
        }
    }
}
```

Edit.html

```html
@model SwinSchool.CommonShared.Dto.MyUserDto

@{
    ViewBag.Title = "Create";
}
    <h2>Update user</h2>
    <hr />

    @using (Html.BeginForm())
    {
        @Html.AntiForgeryToken()
        @Html.ValidationSummary(true)

        <div class="form form-horizontal">
            <div class="form-group">
                @Html.LabelFor(model => model.UserID, new { @class = "control-label col-xs-3" })

                <div class="col-xs-9">
```

```
                    @Html.TextBoxFor(model => model.UserID, new { @class = "form-control",
Readonly="Readonly"})
                        @Html.ValidationMessageFor(model => model.UserID)
                </div>
            </div>
            <div class="form-group">
                @Html.LabelFor(model => model.Name, new { @class = "control-label col-xs-3" })

                <div class="col-xs-9">
                    @Html.TextBoxFor(model => model.Name, new { @class = "form-control" })
                    @Html.ValidationMessageFor(model => model.Name)
                </div>
            </div>
            <div class="form-group">
                @Html.LabelFor(model => model.Password, new { @class = "control-label col-xs-3" })

                <div class="col-xs-9">
                    <div class="input-group">
                        @Html.TextBoxFor(model => model.Password, new { @class = "form-control" })
                        <span class="input-group-btn">
                            @Html.ActionLink("Reset password", "ResetPassword", new { id =
Model.UserID }, new { @class = "btn btn-default" })
                        </span>
                    </div>
                </div>
            </div>
            <div class="form-group">
                @Html.LabelFor(model => model.Email, new { @class = "control-label col-xs-3" })

                <div class="col-xs-9">
                    @Html.TextBoxFor(model => model.Email, new { @class = "form-control" })
                    @Html.ValidationMessageFor(model => model.Email)
                </div>
            </div>
            <div class="form-group">
                @Html.LabelFor(model => model.Tel, new { @class = "control-label col-xs-3" })

                <div class="col-xs-9">
                    @Html.TextBoxFor(model => model.Tel, new { @class = "form-control" })
                    @Html.ValidationMessageFor(model => model.Tel)
                </div>
            </div>
            <div class="form-group">
                @Html.LabelFor(model => model.Address, new { @class = "control-label col-xs-3" })

                <div class="col-xs-9">
                    @Html.TextBoxFor(model => model.Address, new { @class = "form-control" })
                    @Html.ValidationMessageFor(model => model.Address)
                </div>
            </div>
            <div class="form-group">
                @Html.LabelFor(model => model.SecQn, new { @class = "control-label col-xs-3" })

                <div class="col-xs-9">
                    @Html.TextBoxFor(model => model.SecQn, new { @class = "form-control" })
                    @Html.ValidationMessageFor(model => model.SecQn)
                </div>
            </div>
            <div class="form-group">
                @Html.LabelFor(model => model.SecAns, new { @class = "control-label col-xs-3" })

                <div class="col-xs-9">
                    @Html.TextBoxFor(model => model.SecAns, new { @class = "form-control" })
                    @Html.ValidationMessageFor(model => model.SecAns)
                </div>
            </div>
            <div class="form-group">
                <div class="col-xs-push-3 col-xs-9">
                    <input type="hidden" name="hfAction" id="hfAction" value="Save" />
                    <input type="submit" value="Save" class="btn btn-primary" />
                    <button type="button" id="btnDelete" value="Delete" class="btn btn-
danger">Delete</button>
```

```
                    @Html.ActionLink("Back to List", "Index", null, new { @class = "btn btn-
default" })
                </div>
            </div>

        </div>
    }

@section Scripts {
    @Scripts.Render("~/bundles/jqueryval")

    <script>
        $(function () {
            $("#btnDelete").click(function () {
                $("#hfAction").val("Delete");
                $("form").submit();
            })
        })
    </script>
}
```

ResetPassword.html

```
@model SwinSchool.WebUI.Models.ResetPasswordRequestViewModel

@{
    ViewBag.Title = "Reset Password for "+Model.Name;
}
<div class="container">
    <h2>Reset password</h2>
    <hr />

    @using (Html.BeginForm())
    {
        @Html.AntiForgeryToken()
        @Html.ValidationSummary(true)

        <div class="form form-horizontal">
            @Html.HiddenFor(model => model.UserID)
            @Html.HiddenFor(model => model.SecQn)
            @Html.HiddenFor(model => model.Name)

            <div class="form-group">

            </div>
            <div class="form-group">
                <div class="input-group">
                    <span class="input-group-addon">@Html.DisplayTextFor(model =>
model.SecQn)</span>
                    @Html.TextBoxFor(model => model.SecAns, new { @class = "form-control" })
                </div>

                @Html.ValidationMessageFor(model => model.SecAns)
            </div>
            <div class="form-group">
                <input type="submit" value="Reset password" class="btn btn-primary" />
                @Html.ActionLink("Back to user detail", "Edit", new { id = Model.UserID }, new {
@class = "btn btn-default" })
            </div>
        </div>
    }

    @section Scripts {
        @Scripts.Render("~/bundles/jqueryval")
    }
</div>
```

Full source code can be found from BitBucket:

https://bitbucket.org/werynguyen/swinschool/src/55e559ffe9792cc33ce35ff41bf34771a85 789da/?at=PT32