

The following screens represent web forms and MVC screens.

## Web Forms

Technical test request fr... X localhost:51294/Membe... X

localhost:51294/Member.aspx

### Add Members

First Name  Last Name   
Email  Date of Birth

Add

### Members

MemberID	First Name	Last Name	Email	Date of Birth
1	Bharathi	Ramanarayanan	itsbharathi@gmail.com	2016-04-13

Oldest Member: 1, Bharathi Ramanarayanan

Windows taskbar: 4:34 PM 7/30/2017

Technical test request fr... X localhost:51294/Membe... X Untitled document - Go... X

localhost:51294/Member.aspx

### Add Members

First Name  Please Enter First Name  
Last Name  Please Enter Last Name  
Email  Date of Birth  Please Enter Date

Add

### Members

MemberID	First Name	Last Name	Email	Date of Birth
1	Bharathi	Ramanarayanan	itsbharathi@gmail.com	2016-04-13

Oldest Member: 1, Bharathi Ramanarayanan

Windows taskbar: 4:35 PM 7/30/2017

## MVC Application

Technical test request fr... X Untitled document - Go... X localhost:51046 X

localhost:51046

### Add Members

First Name  Email   
Last Name  Date of Birth

Add

### Members

Member ID	First Name	Last Name	Email	Date Of Birth
1	Bharathi	Ramanarayanan	itsbharathi@gmail.com	
2	Dinesh	Jeevarathinam	jdinuwin@gmail.com	2015-04-15
3	Bharathi	Ramanarayanan	itsbharathi@gmail.com	2014-04-23

Oldest Member:  
3, Bharathi Ramanarayanan

Windows taskbar: 4:37 PM 7/30/2017

## Application Highlights

- Separate Class Library Project for Utility methods
- UI Validations (Model validation for MVC)
- Log4net used for logging exceptions
- Interface implementation aiding to follow DI
- Unit Testing - Moq (Ioc)
- SOLID Principles

## Log4net Implementation

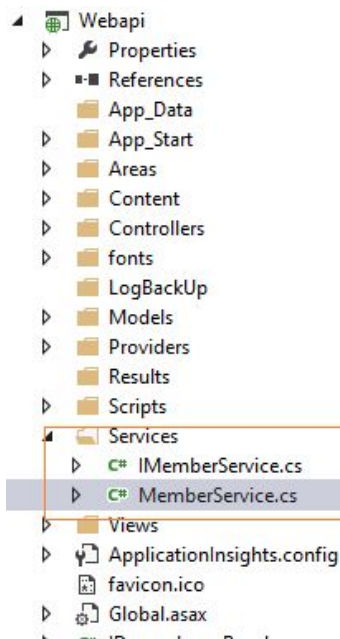
```
<configSections>
  <section name="log4net" type="log4net.Config.Log4NetConfigurationSectionHandler, log4net" />
  <sectionGroup name="applicationSettings" type="System.Configuration.ApplicationSettingsGroup, System, Version=4.0.0.0, Culture=neu
  <section name="Webform.Properties.Settings" type="System.Configuration.ClientSettingsSection, System, Version=4.0.0.0, Culture=neu
  </sectionGroup>
</configSections>
<log4net>
  <appender name="ErrorLog" type="log4net.Appender.RollingFileAppender">
    <file value="LogBackUp\" />
    <staticLogFileName value="false" />
    <appendToFile value="true" />
    <rollingStyle value="Date" />
    <datePattern value="yyyy-MM-dd.'Err'" />
    <lockingModel type="log4net.Appender.FileAppender+MinimalLock" />
    <layout type="log4net.Layout.PatternLayout">
      <conversionPattern value="%d{DATE} [%t] %-5p %c - %m%n" />
    </layout>
  </appender>
  <logger name="ErrorLog">
```

5 references

```
public class MemberService : IMemberService
{
    #region Properties
    //Declaring Log4Net
    log4net.ILog logger = log4net.LogManager.GetLogger(typeof(MemberService));
    #endregion

    Service Methods
}
```

## Interface Implementation



### **Nunit - Moq (loc)**

```
lstMembers.Add(member);

var mockRepo = new Mock<IMemberService>();
mockRepo.Setup(x => x.AddMembers(null)).Returns(lstMembers);

var memberService = new MemberService();
var returnData = memberService.AddMembers(member);

//Assert
```