**Install NHibernate Session Management**

**Contains**

1. NHibernateSessionManagement
2. Utility
3. DummyClassToReplace

**What To Do ?**

1. Copy the contents of the Package folder and paste it in the package folder of the application. (replace the existing one if required).
2. Copy NHibernateSessionManagement and Utility folders in the required applications.
3. Using VS import NHibernateSessionManagement and Utility only.
4. Open file FNHRepository.cs
5. Delete line no. 16
6. Search for 'DummyClass' and replace it with the required class name that has to be mapped.
7. The Class should have a class similar to 'BasicItem' same name will be preferable.
8. The 'UpdatedBy' property in 'BasicItem' has a return type of 'DummyClass', do not delete this property and do not neglect the return type.
9. Open FNHSessionManager.cs
10. Replace line no. 113 '<DummyClassToReplace.DummyClass>' with the class that has to be mapped.
11. Replace line no. 114 '<DummyClassToReplace.Mapping.DummyMap>' with the map class that has to be mapped.
12. Now add references to your application and start using.
13. Add a connection string to your application in web.config with the name 'DatabaseConnectionString'.

OR

If you wish to have a different connection string name you will have to make changes in FNHSessionManager.cs line no. 77, replace the existing string text 'DatabaseConnectionString' with the required connection string name.  
Now add a connection string in the web.config of your application.

**What To Do ?**

1. Copy ‘<section name="log4net" type="log4net.Config.Log4NetConfigurationSectionHandler, log4net" />’ in ‘<configSections>’ in web.config file.
2. Copy the following section inside ‘<configuration>’ section   
   ‘<log4net>

<!--

This writes the log information to the console window. It only logs events

that are at least at the INFO level (which would mean that DEBUG events are not

captured.

-->

<appender name="ConsoleAppender" type="log4net.Appender.ConsoleAppender">

<layout type="log4net.Layout.PatternLayout">

<conversionPattern value="%date{ABSOLUTE} [%thread] %level %logger - %message%newlineExtra Info: %property{testProperty}%newline%exception" />

</layout>

<filter type="log4net.Filter.LevelRangeFilter">

<levelMin value="INFO" />

<levelMax value="FATAL" />

</filter>

</appender>

<logger name="NHibernate.SQL" additivity="false">

<level value="ALL" />

<appender-ref ref="NHibernateSQLFileLog" />

</logger>

<!--

This stores information in the mylogfile.txt file. It only captures log events

that contain the key word test or error.

-->

<!--<appender name="RollingLogFileAppender" type="log4net.Appender.RollingFileAppender">

<file value="Log\logfile.txt" />

<appendToFile value="true" />

<rollingStyle value="Composite" />

<datePattern value="yyyyMMdd" />

<maxSizeRollBackups value="10" />

<maximumFileSize value="1MB" />

<layout type="log4net.Layout.PatternLayout">

<conversionPattern value="%newline%date %newline[%thread] %-5level%newline %logger%newline %newline %message %newline" />

</layout>

</appender>-->

<!--<appender name="ErrorSmtpAppender" type="log4net.Appender.SmtpAppender">

<to value="swetank@tpms.co.in,salvi@tpms.co.in,manoj@tpms.co.in" />

<from value="vaishali@tpms.co.in" />

<subject value="test logging message" />

<smtpHost value="smtp.gmail.com" />

<port value="587"/>

<authentication value="Basic" />

<username value="vaishali@tpms.co.in"/>

<password value="vaishali9"/>

<EnableSsl value="true" />

<bufferSize value="1" />

<lossy value="true" />

<evaluator type="log4net.Core.LevelEvaluator">

<threshold value="DEBUG"/>

</evaluator>

<layout type="log4net.Layout.PatternLayout">

<conversionPattern value="%newline%date %newline[%thread] %-5level%newline %logger%newline %newline %message %newline" />

</layout>

</appender>-->

<!--<root>

<level value="All" />

<appender-ref ref="RollingLogFileAppender" />

-->

<!--<appender-ref ref="ErrorSmtpAppender"/>-->

<!--

</root>-->

<appender name="RollingFileAppender" type="log4net.Appender.RollingFileAppender">

<file type="log4net.Util.PatternString" value="Log\InfoLogs\Tpms\_Info\_%date{yyyyMMdd}.txt" />

<staticLogFileName value="true" />

<param name="appendToFile" value="true" />

<param name="maximumFileSize" value="10MB" />

<param name="maxSizeRollBackups" value="1000" />

<layout type="log4net.Layout.PatternLayout">

<conversionPattern value="%newline%date|[%thread]|%-5level|%logger|%method|%message%newline" />

</layout>

<filter type="log4net.Filter.LevelRangeFilter">

<levelMin value="DEBUG" />

<levelMax value="INFO" />

</filter>

<filter type="log4net.Filter.DenyAllFilter" />

</appender>

<appender name="RollingLogFileAppenderError" type="log4net.Appender.RollingFileAppender">

<threshold value="ERROR" />

<file type="log4net.Util.PatternString" value=" Log\ErrorLogs\Tpms\_Error\_%date{yyyyMMdd}.txt" />

<staticLogFileName value="true" />

<param name="maximumFileSize" value="10MB" />

<param name="maxSizeRollBackups" value="1000" />

<layout type="log4net.Layout.PatternLayout">

<conversionPattern value="%newline%date|[%thread]|%-5level|%logger|%method|%message%newline" />

</layout>

<filter type="log4net.Filter.LevelMatchFilter">

<levelToMatch value="ERROR" />

</filter>

<filter type="log4net.Filter.DenyAllFilter" />

</appender>

<appender name="RollingLogFileAppenderDebug" type="log4net.Appender.RollingFileAppender">

<threshold value="ERROR" />

<file type="log4net.Util.PatternString" value="Log\DebugLogs\Tpms\_Debug\_%date{yyyyMMdd}.txt" />

<staticLogFileName value="true" />

<param name="maximumFileSize" value="10MB" />

<param name="maxSizeRollBackups" value="1000" />

<layout type="log4net.Layout.PatternLayout">

<conversionPattern value="%newline%date|[%thread]|%-5level|%logger|%method|%message%newline" />

</layout>

<filter type="log4net.Filter.LevelMatchFilter">

<levelToMatch value="DEBUG" />

</filter>

<filter type="log4net.Filter.DenyAllFilter" />

</appender>

<appender name="NHibernateSQLFileLog" type="log4net.Appender.RollingFileAppender">

<file type="log4net.Util.PatternString" value="Log\SqlLogs\Tpms\_SQL\_%date{yyyyMMdd}.txt" />

<staticLogFileName value="true" />

<param name="appendToFile" value="true" />

<param name="maximumFileSize" value="10MB" />

<param name="maxSizeRollBackups" value="1000" />

<layout type="log4net.Layout.PatternLayout">

<conversionPattern value="%newline%date|[%thread]|%-5level|%logger|%method|%message%newline" />

</layout>

<filter type="log4net.Filter.LevelRangeFilter">

<levelMin value="DEBUG" />

<levelMax value="INFO" />

</filter>

<filter type="log4net.Filter.DenyAllFilter" />

</appender>

<appender name="SmtpAppender" type="log4net.Appender.SmtpAppender">

<to value="xxx@gmail.com" />

<from value="xxx@gmail.com" />

<subject value="TPMS Error Log" />

<smtpHost value="smtp.gmail.com" />

<authentication value="Basic" />

<port value="587" />

<username value="xx@gmail.com" />

<password value="xxx" />

<bufferSize value="1" />

<EnableSsl value="true" />

<lossy value="true" />

<threshold value="ERROR" />

<evaluator type="log4net.Core.LevelEvaluator">

<threshold value="ERROR" />

</evaluator>

<layout type="log4net.Layout.PatternLayout">

<conversionPattern value="%date{dd/MM/yyyy hh:mm:ss.fff}&#x9;%-5level&#x9;%-15logger&#x9;%message%newline" />

</layout>

</appender>

<root>

<!--<level value="DEBUG" />-->

<appender-ref ref="RollingFileAppender" />

<appender-ref ref="RollingLogFileAppenderError" />

<appender-ref ref="NHibernateSQLFileLog" />

<appender-ref ref="SmtpAppender" />

<appender-ref ref="RollingLogFileAppenderDebug" />

</root>

<logger name="NHibernate">

<level value="ERROR" />

</logger>

<logger name="NHibernate.SQL">

<level value="ERROR" />

</logger>  
 </log4net>’