Instructions on the technologies used and how to compile and run the code.

**ALTOVA XML SPY**

1. Download and install Altova XML Spy which allows to create the schemas and structure in the database using XML Schema.
2. Download Altova XML Spy extension for Visual Studio.
3. It allows to use all the XML Spy features in Visual Studio.
4. Open the XML Schema file and convert it to the BD Structure and follow the procedure.
5. It creates the tables and also takes care of the constraints.

**XML Schema Definition Tool**

1. The XML Schema Definition tool (Xsd.exe) allows you to generate an XML schema that describes a class or to generate the class defined by an XML schema.
2. Open a Visual Studio Command Prompt
3. Pass the XML Schema as an argument to the XML Schema Definition tool, which creates a set of classes that are precisely matched to the XML Schema, for example:

“xsd MitchellClaim.xsd /classes”

1. Use the class created as a data traveler in the application.

**Application:**

1. Three Tier Architecture is used to implement the project. The project is divided into following parts: BLL (Business Logic Layer), DAL (Data Access Layer), DO (Data Traveler), IType (Interface), and the project.
2. BLL – Handles the Business Logic and calls the Data Access Layer
3. DAL – Handles all the data accessing logic, stored procedures, connecting to the database. In this project, MS SQL Server is used to handle the data.
4. DO – It is a data traveler which is created using XML Schema Definition Tool.
5. IType – Interface for BLL and DAL classes
6. Created Unit Test cases to test the methods of an application. Please run the ordered test cases which performs the tests in order.
7. Using Simple Test Client from where input is given.
8. Using MS SQL Server for communicating with the database.
9. Using Ajax Toolkit for some additional validation and Calendar extensions.
10. Used Grid View and Repeater to display the data to the client.

**How to compile and run the application:**

1. Open the project in the visual studio.
2. Download the sql server scripts under the Mitchell Claim project and run it in the MS SQL Server to create tables and stored procedures in the database
3. Change the connection string in the DatabaseConnecton.cs class which is in the DAL Layer to connect to the database.
4. Run the application.

Let me know if you have any questions.