**ABM Assignment**

**ABM.Core Library Project**: Consist of three class EdiFact, XMLParser and AppConstant. Core logic reside in these classes. This dll is require to run rest of the projects in solution.

**EdiFact Class:** responsible to perform operation on given EdiFact string. It use regular expression to match the Loc Segments.

**XMLParser Class:** Contains two method GetRefText and GetParseWebXml. Main purpose of this class is to perform XML operations.

**GetRefText** method takes Refcodes as an argument and return RefText values for given Refcodes.

**GetParseWebXml** method takes xml as an argument and return status codes.

**ABM.EditFact.Client Project:** In order to run this project ABM.Core Library reference is required. This project calls passes EdiFact string to EdiFact class method ParseString which returns loc segments if string is correct. Displays on the console all segments.

**ABM.RefTextClient Project:** ABM.Core library reference is required to run this project and ReferenceText.xml document. XML document property **CopytoOutputDirectory** is set always Copy. This will copy ReferenceText.xml to output directory. If file is missing, set above mentioned file project in order to run this project. This project callsXmlParser class GetRefText method**,** takes xml document and return RefTextValues. Display returned values on the console.

**ABM.WebService Project:** ABM.Core library reference required for this project. Contains Web service. This is WCF project because in assignment is was mentioned word Web service therefore I have created web service.

**ABM.Webservice.Consumer Project:** In order to run this project payload.xml file is required. XML document property **CopytoOutputDirectory** is set always Copy. This will copy payload.xml to output directory. Web service reference is already added to the project, if it doesn’t work then update the web service reference. This project calls the web service, passes payload xml and displays on console returned status codes.

**ABM.Unittest Project:** Contains all unit test related to this assignment. It consist of all together 13 unit text, which include positive and negative tests.