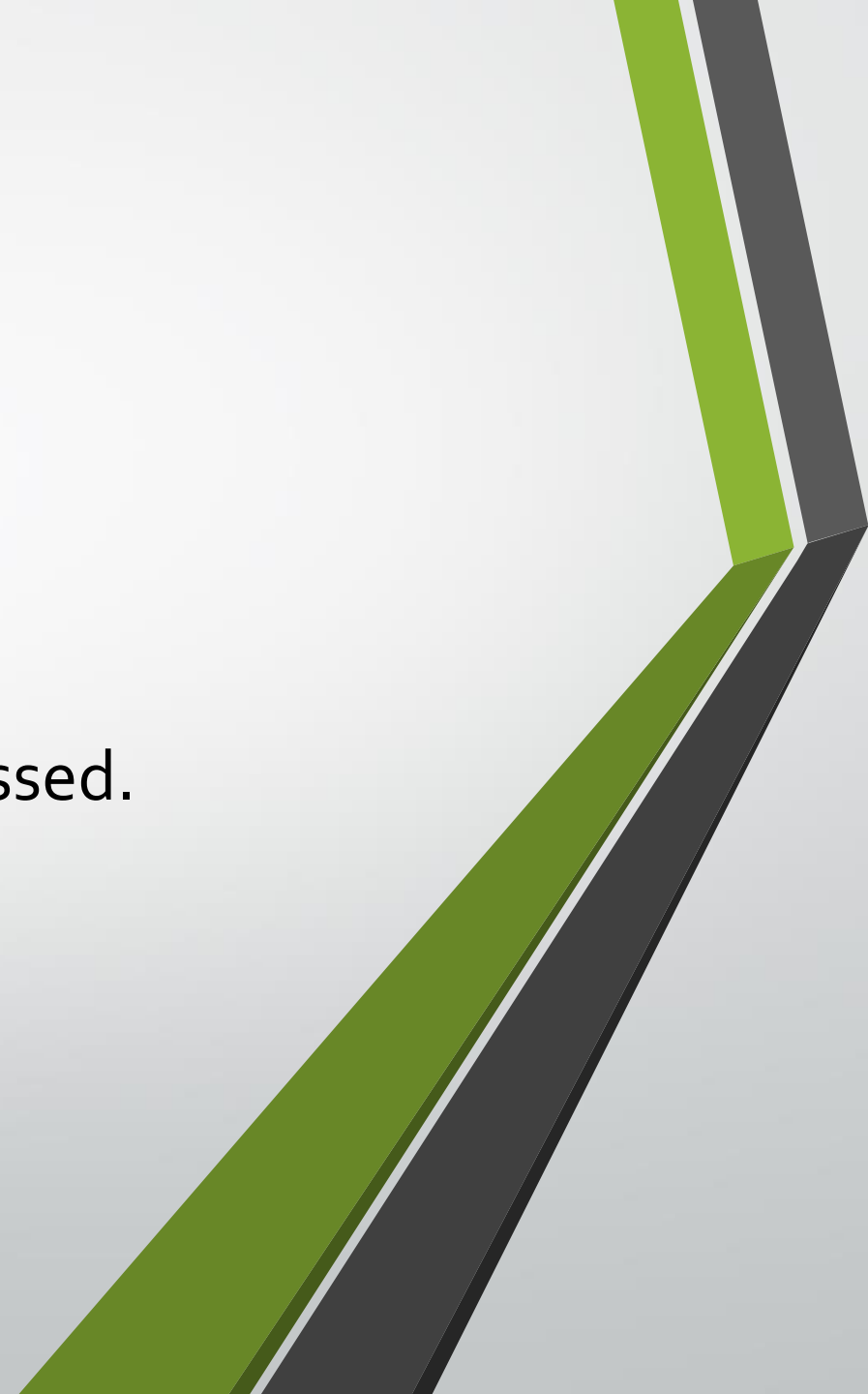# Data Driven Testing

What is DDT?

- In Data Driven Testing, the data required by the script, which also called as "**Test Data**" is stored external file system.

- During the runtime , the test data is loaded from external file system and supplied to the test script.

- Data can be stored in XML,CSV , Database and Excel files

- MSTest frame work provide the attribute "**DataSource**" by which, one can easily access the data

Data Source

- *ProviderInvariantName :-* Name of the provider

- *ConnectionString :-* Location of the external file

- *TableName :-* Name of the data Table

- *AccessMethod :-* Order in which data will be accessed.

Reading the Data from CSV

- ***ProviderInvariantName :-*** Microsoft.VisualStudio.TestTools.DataSource.CSV

- ***ConnectionString :-*** <Location of file>

- ***TableName :-*** Name of file#CSV

- ***AccessMethod :-*** Sequential or Random

Reading the Data from XML

- ***ProviderInvariantName :-*** Microsoft.VisualStudio.TestTools.DataSource.XML

- ***ConnectionString :-*** <Location of file>

- ***TableName :-*** <TagName>

- ***AccessMethod :-*** Sequential or Random

Reading the Data from Excel

- ***ProviderInvariantName :-*** System.Data.Odbc

- ***ConnectionString :-*** Dsn=Excel Files;dbq=<ExcelFileLocation>;

- ***TableName :-*** Sheet Name$

- ***AccessMethod :-*** Sequential or Random