The overall Open XML file format SDK takes on the layered approach. The following diagram illustrates the overall SDK components. The low level layer contains stream reads/writes, Open XML DOM, Open XML Packaging API and Open XML Syntax Validation. This document outlines the low level layer functionalities.

### Architectural Design

The SDK low level contains a low level DOM, readers, writers and an event mechanism. The low level DOM has 2 parts: the framework and generated classes. The framework defines the base classes and object hierarchy of the low level layer. The generated classes represent a strongly typed XML DOM for Open XML schema.

For design details, please view the design documents: [Stage2 Low Level Design](http://office/14/teams/eastasia/openxmlapi/Shared%20Documents/Stage2_Low_Level_Design.docx), [Framework Design](http://office/14/teams/eastasia/openxmlapi/v2/Shared%20Documents/Design%20Documents/FrameworkDesign.docx), [Framework Classes](http://office/14/teams/eastasia/openxmlapi/v2/Shared%20Documents/Design%20Documents/FrameworkClasses.docx), [Rules of Code Generator](http://office/14/teams/eastasia/openxmlapi/v2/Shared%20Documents/Design%20Documents/Rules%20on%20code%20generating.docx).