Flexera Developer Code Test Design

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# Use Case Diagram

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# The Application has two actors; the user and the usage log data file.

**The User**

* The User can start the application
* The user can request to load a data file
* The application lists licence requirements at the end of analysis

**Data File**

* Th application loads the data file on request

# Class Diagram



* The application follow the MVVM pattern to implement the GUI layer.
* The View Model use the Service layer to load the data file and analyse it.
* The ApplicationUsageAnalysisService service object use the Data layer for loading the CSV file and ApplicationUsageAnalysisHelper object to analyse the data.
* The ApplicationUsageAnalysisHelper class implements the business logic of licence requirement analysis allowing independently performing unit tests on it.

# Implementation Details

* The view use Material Design libraries to provide a modern presentation.
* The Data class use the CvsHelper library parse the CSV file.