# AcademiCS uSuite
# Common Requirements

JMU AcademiCS uSuite is a set of desktop applications that is designed to be used by administrators, faculty members, and students. The *requirements* that are common to all of the products in the suite are discussed below.

## 1. Terminology

Throughout the discussion that follows:

"Document" refers to the information that is currently being viewed and/or edited by the application. It may or may not correspond to one or more files.

"Document dialog" refers to a GUI component that can be used to select among a set of documents and/or type the document's identifier. If a document corresponds to a file then its document dialog will be a file dialog.

## 2. Requirements

1. The user must be able to read options.

    1.1.    The system must be able to read *default* options from the `.jar` file from which the application was loaded.

    1.2.    The system must be able to read other options from the local file system.

2. The user must be able to initiate all commands in several ways.

    2.1.    The user must be able to initiate all commands using a menu.

        2.1.1.    Menu items must have icons where appropriate.

    2.2.    When a document is *open*, the user must be able to initiate all commands using a context menu (e.g., in MS-Windows, by right-clicking in the document).

        2.2.1.    Menu items in the context menu must have icons where appropriate.

    2.3.    The user must be able to initiate all commands using a toolbar.

        2.3.1.    Toolbar buttons must have icons where appropriate.

    2.4.    The user must be able to initiate all commands using the keyboard.

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3. The system must log error messages.

   3.1.    The logs must be appropriate for product support activities.

   3.2.    The logs must be appropriate for product maintenance activities.

4. The system must support localization in multiple languages.

5. The system must comply with the enforced work flow of the AcademiCS Application Framework.

6. Icons must be in the "Material" style.

   6.1.    Where possible, the icons must be from the filled variant of the icons at https://material.io/tools/icons/

   6.2.    If new icons must be created, they must be in a consistent style.

7. Icons must be read from the `.jar` file from which the application was loaded.