Required Suite: *Events that every AppleEvent-aware application must support*

run: *Sent to an application when it is double-clicked*
run

open: *Open the specified list of documents*
open <u>alias</u> *(List of documents to open)*

print: *Print the specified list of documents*
print <u>alias</u> *(List of documents to print)*

quit: *Quit application*
quit

Subset of the Core, Table, and Database suites: *Subset of the Core, Table, and Database suites*

Begin Transaction: *Begin a transaction*
Begin Transaction
Result: <u>integer</u> *(The transaction ID)*

Duplicate: *Duplicate an object*
Duplicate *The object to copy*
        To <u>'insl'</u> *(The new location for the object)*
Result: <u>'obj '</u>

Close: *Close an object*
Close *The object to close*

Copy: *Copy an object to the clipboard*
Copy

Count: *Return the number of elements of a particular class within an object*
Count *The object whose elements are to be counted*
        Class <u>'type'</u> *(The class of the elements to be counted)*
Result: <u>integer</u>

Create: *Create a new element*
Create
        New <u>'type'</u> *(The class of the new element)*
        At <u>'insl'</u> *(The location at which to insert the element)*
        With Data <u>'****'</u> *(The initial data for the element)*
        With Properties <u>record</u> *(The initial data for the properties of the element)*
Result: <u>'obj '</u>

Cut: *Cut an object to the clipboard*
Cut

Delete: *Delete an element from an object*
Delete *The element to delete*

Do Menu: *Execute a menu command*
Do Menu <u>'****'</u> *(This denotes both the menu ID and the menu item)*
        Menu Named <u>string</u> *(The name of the menu item)*
Result: <u>'****'</u>

Do Script: *Execute a script*
Do Script <u>string</u> *(The name or specifier of the FileMaker script to be executed)*
Result: <u>'****'</u>

Exists: *Tell if an object exists*
Exists *The object in question*
Result: <u>boolean</u>

End Transaction: *End a transaction*
End Transaction

Class Info: *Get information about an object class*
Class Info <u>'type'</u> *(The object class about which information is requested)*
    In <u>'intl'</u> *(The human language and script system in which to return information)*
Result: <u>'clin'</u>

Get Data: *Get the data for an object*
Get Data *The object whose data is to be returned*
    As <u>'type'</u> *(The desired types for the data, in order of preference)*
Result: <u>'****'</u>

Data Size: *Return the size in bytes of an object*
Data Size *The object whose data size is to be returned*
    As <u>'type'</u> *(The data type for which the size is calculated)*
Result: <u>integer</u>

Event Info: *Get information about the Apple events in a suite*
Event Info <u>'type'</u> *(The event class of the Apple events for which to return information)*
    In <u>'intl'</u> *(The human language and script system in which to return information)*
Result: <u>'evin'</u>

Show: *Bring an object into view*
Show *The object to be made visible*

Open: *Open an object*
Open *The object to open*

Paste: *Paste an object from the clipboard*
Paste

Print: *Print an object*
Print *The object to print*
Quit: *Perform tasks before termination, then terminate*
Quit
    Save <u>'savo'</u> *(Specifies whether or not to save currently open documents)*

Save: *Save an object*
Save *The object to save*
    In <u>alias</u> *(The file in which to save the object)*
    As <u>'type'</u> *(The file type of the document in which to save the data)*

Set Data: *Set an object's data*
Set Data *The object to change*
    To <u>'****'</u> *(The new value)*

Sort: *Sort the records in a layout*

Sort *The layout to sort.*
      By 'obj ' *(The fields to sort by.)*
      In Order Ascending/Descending/Numeric/Custom *(The sort type)*

Redo: *Reverse the action of the immediately preceeding undo*
Redo

Undo: *Undo the action of the previous event or user interaction*
Undo

Class Application: *The application*
Elements:
Document by numeric index
Document by name
Window by numeric index
Window by name
Menu by name
Menu by numeric index
Menu Item by name
Menu Item by numeric index
Properties:
Best Type 'type' *(The best descriptor type)*
Class 'type' *(The class)*
Default Type 'type' *(The default descriptor type)*
Frontmost boolean *(Is this the frontmost application?)*
Name 'itxt' *(The name)*
Version integer *(The version number of the application)*

Class Window: *A FileMaker document window*
Elements:
Document by name
Document by numeric index
FileMaker Script by name
FileMaker Script by numeric index
FileMaker Script before/after another element
FileMaker Script as a range of elements
FileMaker Script satisfying a test
FileMaker Script 'ID '
Database by name
Database by numeric index
Properties:
Class 'type' *(The class)*
Default Type 'type' *(The default data type of the window class)*
Best Type 'obj ' *(The best data type of the window class)*
Name 'itxt' *(The name of the window)*
Bounds 'qdrt' *(The boundary rectangle for the window)*
Visible boolean *(Is the window visible?)*
Index integer *(The number of the window)*
Floating boolean *(Does the window float?)*
Zoomable boolean *(Is the window zoomable?)*
Zoomed boolean *(Is the window zoomed?)*
Modal boolean *(Is the window modal?)*
Resizable boolean *(Is the window resizable?)*
Has Close Box boolean *(Does the window have a close box?)*
Has Title Bar boolean *(Does the window have a title bar?)*

Class Document: *A FileMaker document*
Elements:
Database by name
Database by numeric index
FileMaker Script by name
FileMaker Script by numeric index
FileMaker Script before/after another element
FileMaker Script as a range of elements
FileMaker Script satisfying a test
FileMaker Script 'ID '
Properties:
Best Type 'type' *(The best descriptor type)*
Class 'type' *(The class)*
Default Type 'type' *(default data type of the document class)*
Name 'itxt' *(The name of the document)*
Modified boolean *(true if the document has been modified)*

Class Database: *A FileMaker database*
Elements:
Layout by name
Layout by numeric index
Layout before/after another element
Layout as a range of elements
Layout satisfying a test
Layout 'ID '
FileMaker Script by name
FileMaker Script by numeric index
FileMaker Script before/after another element
FileMaker Script as a range of elements
FileMaker Script satisfying a test
FileMaker Script 'ID '
Properties:
Access No access/Read/Write/Read/write/Update/Read/write/update/Create/Write created/No delete/Delete/Full *(The access privileges)*
Best Type 'type' *(The best descriptor type)*
Class 'type' *(The class)*
Default Type 'type' *(The default descriptor type)*
Name 'itxt' *(The name of the database)*
Lock Unlocked/Shared Lock/Exclusive Lock *(The current session's lock on the database)*
Current Layout 'obj ' *(The current layout)*
Current Record 'obj ' *(The current record)*

Class FileMaker Script: *A FileMaker script*
Properties:
Class 'type' *(The class)*
Default Type 'type' *(default data type of the FileMaker script class)*
Name 'itxt' *(the name of the FileMaker script)*
ID string *(The unique ID of the script)*

Class Layout: *A FileMaker layout*
Elements:
Field by name
Field by numeric index
Field before/after another element
Field as a range of elements
Field satisfying a test

Field 'ID '
Record by name
Record by numeric index
Record before/after another element
Record as a range of elements
Record satisfying a test
Record 'ID '
Cell by name
Cell by numeric index
Cell before/after another element
Cell as a range of elements
Cell satisfying a test
Cell 'ID '
Properties:
Best Type 'type' *(The best descriptor type)*
Class 'type' *(The class)*
Default Type 'type' *(The default descriptor type)*
Name 'itxt' *(The name)*
ID string *(The unique ID)*
Access No access/Read/Write/Read/write/Update/Read/write/update/Create/Write created/No delete/Delete/Full *(The access privileges of the layout)*
Protection Read Only/Formulas Protected/Read/Write *(Indicates whether the formulas of the cells in the table can be changed)*
lock Unlocked/Shared Lock/Exclusive Lock *(The lock on the layout)*
kind Table/Layout/Cursor/Linkset *(the kind of layout (view = layout, table = all fields))*

Class Field: *A FileMaker field*
Elements:
Cell by name
Cell by numeric index
Cell before/after another element
Cell as a range of elements
Cell satisfying a test
Cell 'ID '
Properties:
Access No access/Read/Write/Read/write/Update/Read/write/update/Create/Write created/No delete/Delete/Full *(The access privileges for the field)*
Best Type 'type' *(The best descriptor type)*
Class 'type' *(The class)*
Default Type 'type' *(The default descriptor type)*
Formula string *(The field's calculation formula)*
ID string *(The unique ID of the column)*
Lock Unlocked/Shared Lock/Exclusive Lock *(The lock status of the field)*
Name string *(The name of the field)*
Nulls OK boolean *(Is this field allowed to be empty?)*
Protection Read Only/Formulas Protected/Read/Write *(The protection of this field)*
Repeats constant *(Is this a repeating field?)*
Repeat Size integer *(Maximum number of repetitions of the field)*
Unique Value boolean *(Must this field contain unique values?)*

Class Record: *A FileMaker record*
Elements:
Cell by name
Cell by numeric index
Cell before/after another element
Cell as a range of elements

Cell satisfying a test
Cell 'ID '
Properties:
Best Type 'type' *(The best descriptor type)*
Class 'type' *(The class)*
Default Type 'type' *(The default descriptor type)*
Name 'itxt' *(The name)*
ID string *(The unique ID of the record)*
Lock Unlocked/Shared Lock/Exclusive Lock *(the lock for the record)*
Protection Read Only/Formulas Protected/Read/Write *(Indicates whether the formulas of the cells in the column can be changed)*
Access No access/Read/Write/Read/write/Update/Read/write/update/Create/Write created/No delete/Delete/Full *(Indicates the access privileges for the record)*
Class Cell: *A field value in a record*
Properties:
Best Type 'type' *(The best descriptor type)*
Class 'type' *(The class)*
Default Type 'type' *(The default descriptor type)*
Formula string *(The field's calculation formula)*
Lock Unlocked/Shared Lock/Exclusive Lock *(The lock status of the cell)*
Name string *(The field value's name)*
Protection Read Only/Formulas Protected/Read/Write *(The protection of this cell)*
cellValue string *(The field value)*
ID string *(The unique ID of the cell)*
RepeatSize integer *(Number of repetitions of the cell)*

FileMaker Suite: *FileMaker specific events and classes*

Class Menu Item: *A menu item*
Properties:
Best Type 'type' *(The best descriptor type)*
Class 'type' *(The class)*
Default Type 'type' *(default data type of the menu item class)*
Name 'itxt' *(The name of the menu item)*
ID integer *(The unique ID that gets sent back)*
Enabled boolean *(Is the menu item is enabled?)*
Item Number 'shor' *(The menu item number)*
Checked boolean *(is the item checked)*
notify address 'targ' *(the target ID)*

Class Menu: *A menu*
Elements:
Menu Item by numeric index
Menu Item by name
Menu by numeric index
Menu by name
Properties:
Best Type 'type' *(The best descriptor type)*
Class 'type' *(The class)*
Default Type 'type' *(The default data type of the menu class.)*
Name 'itxt' *(The name of the menu item)*
Menu ID 'shor' *(The menu ID of this menu)*
Enabled boolean *(Is the menu enabled?)*