

Text Suite

A set of basic classes for text processing.

Classes

- **rich text** -- Rich (styled) text
 - Inherited by:
 - [attachment](#)
 - Properties:
 - **color** *RGB color* -- The color of the first character.
 - **font** *string* -- The name of the font of the first character.
 - **size** *integer* -- The size in points of the first character.
 - Elements:
 - [character](#) -- by *index, relative, range, test*
 - [paragraph](#) -- by *index, relative, range, test*
 - [word](#) -- by *index, relative, range, test*
 - [attribute run](#) -- by *index, relative, range, test*
 - [attachment](#) -- by *index, relative, range, test*
- **character** -- This subdivides the text into characters.
 - Plural name:
 - characters
 - Properties:
 - **color** *RGB color* -- The color of the first character.
 - **font** *string* -- The name of the font of the first character.
 - **size** *integer* -- The size in points of the first character.
 - Elements:
 - [character](#) -- by *index, relative, range, test*
 - [paragraph](#) -- by *index, relative, range, test*
 - [word](#) -- by *index, relative, range, test*
 - [attribute run](#) -- by *index, relative, range, test*
 - [attachment](#) -- by *index, relative, range, test*
- **paragraph** -- This subdivides the text into paragraphs.
 - Plural name:
 - paragraphs
 - Properties:
 - **color** *RGB color* -- The color of the first character.
 - **font** *string* -- The name of the font of the first character.
 - **size** *integer* -- The size in points of the first character.
 - Elements:
 - [character](#) -- by *index, relative, range, test*
 - [paragraph](#) -- by *index, relative, range, test*
 - [word](#) -- by *index, relative, range, test*
 - [attribute run](#) -- by *index, relative, range, test*
 - [attachment](#) -- by *index, relative, range, test*
- **word** -- This subdivides the text into words.
 - Plural name:
 - words
 - Properties:
 - **color** *RGB color* -- The color of the first character.
 - **font** *string* -- The name of the font of the first character.
 - **size** *integer* -- The size in points of the first character.
 - Elements:
 - [character](#) -- by *index, relative, range, test*
 - [paragraph](#) -- by *index, relative, range, test*

- [word](#) -- by *index, relative, range, test*
 - [attribute run](#) -- by *index, relative, range, test*
 - [attachment](#) -- by *index, relative, range, test*
- **attribute run** -- This subdivides the text into chunks that all have the same attributes.
 - Plural name:
 - attribute runs
 - Properties:
 - **color** *RGB color* -- The color of the first character.
 - **font** *string* -- The name of the font of the first character.
 - **size** *integer* -- The size in points of the first character.
 - Elements:
 - [character](#) -- by *index, relative, range, test*
 - [paragraph](#) -- by *index, relative, range, test*
 - [word](#) -- by *index, relative, range, test*
 - [attribute run](#) -- by *index, relative, range, test*
 - [attachment](#) -- by *index, relative, range, test*
- **attachment** -- Represents an inline text attachment. This class is used mainly for make commands.
 - Plural name:
 - attachments
 - Inherits from:
 - [rich text](#)
 - Properties:
 - **file name** *string* -- The path to the file for the attachment

Standard Suite

Common classes and commands for all applications.

Commands

- **open** -- Open a document.
 - *reference* -- the object for the command
- **close** -- Close a document.
 - *reference* -- the document(s) or window(s) to close.
 - [**saving** *yes / no / ask*] -- Whether or not changes should be saved before closing.
 - [**saving in file**] -- The file in which to save the document.
- **save** -- Save a document.
 - *reference* -- The document(s) or window(s) to save.
 - [**in file**] -- The file in which to save the document.
 - [**as string**] -- The type of file to save.
- **print** -- Print a document.
 - *reference* -- the object for the command
 - [**with properties** [print settings](#)] -- The print settings to use.
 - [**print dialog** *boolean*] -- Should the application show the print dialog?
- **quit** -- Quit the application.
 - *reference* -- the object for the command
 - [**saving** *yes / no / ask*] -- Whether or not changed documents should be saved before closing.
- **count** -- Return the number of elements of a particular class within an object.
 - *reference* -- the object whose elements are to be counted
 - [**each type class**] -- The class of objects to be counted.
 - Result: *integer* -- the number of elements
- **delete** -- Delete an object.
 - *reference* -- the object to delete
- **duplicate** -- Copy object(s) and put the copies at a new location.
 - *reference* -- the object(s) to duplicate
 - [**to location reference**] -- The location for the new object(s).

- [**with properties** *record*] -- Properties to be set in the new duplicated object(s).
 - Result: *reference* -- the duplicated object(s)
- **exists** -- Verify if an object exists.
 - *anything* -- the object in question
 - Result: *boolean* -- true if it exists, false if not
- **make** -- Make a new object.
 - **new type class** -- The class of the new object.
 - [**at** *location reference*] -- The location at which to insert the object.
 - [**with data** *anything*] -- The initial contents of the object.
 - [**with properties** *record*] -- The initial values for properties of the object.
 - Result: *reference* -- to the new object
- **move** -- Move object(s) to a new location.
 - *reference* -- the object(s) to move
 - **to** *location reference* -- The new location for the object(s).
 - Result: *reference* -- the moved object(s)

Classes

- **window** -- A window.
 - Plural name:
 - windows
 - Properties:
 - **name** (r/o) *string* -- The full title of the window.
 - **id** (r/o) *integer* -- The unique identifier of the window.
 - **index** *integer* -- The index of the window, ordered front to back.
 - **bounds** *bounding rectangle* -- The bounding rectangle of the window.
 - **closeable** (r/o) *boolean* -- Whether the window has a close box.
 - **minimizable** (r/o) *boolean* -- Whether the window can be minimized.
 - **minimized** *boolean* -- Whether the window is currently minimized.
 - **resizable** (r/o) *boolean* -- Whether the window can be resized.
 - **visible** *boolean* -- Whether the window is currently visible.
 - **zoomable** (r/o) *boolean* -- Whether the window can be zoomed.
 - **zoomed** *boolean* -- Whether the window is currently zoomed.
 - **document** (r/o) *<class ???>* -- The document whose contents are being displayed in the window.

Billable Suite

Classes and commands for manipulating the Billable object model.

Classes

- **application** -- The application's top-level scripting object.
 - Plural name:
 - applications
 - Properties:
 - **name** (r/o) *string* -- The name of the application.
 - **frontmost** (r/o) *boolean* -- Is this the frontmost (active) application?
 - **version** (r/o) *string* -- The version of the application.
 - Elements:
 - [company](#) -- by *name, index, relative, range, test, id*
 - [service](#) -- by *index, relative, range, test, id*
 - [invoice](#) -- by *index, relative, range, test, id*
 - [window](#) -- by *name, index, relative, range, test, id*
- **invoice** -- An invoice.

- Plural name:
 - invoices
- Properties:
 - **uuid** (r/o) *string* -- The invoice's unique identifier.
 - **createdAt** (r/o) *date* -- The date at which this invoice was created.
 - **client** [company](#) -- The client being invoiced. All services within must have the same client.
 - **issuedOnDate** *date* -- The date the invoice was issued to the client.
 - **dueDate** *date* -- The date the invoice is due.
 - **dueOnReceipt** *boolean* -- Indicates whether this invoice is due on receipt.
 - **invoiceNumber** *string* -- The invoice number (human readable unique id) for this invoice.
 - **isPaid** (r/o) *boolean* -- Indicates whether this invoice's total paid is equal to the total due (ie it has been paid).
 - **isTax2CalculatedWithTax1** *boolean* -- If true, the tax two total will be calculated against the subtotal plus tax one total.
 - **message** *string* -- The (optional) message that will appear on the invoice.
 - **paidOn** *date* -- The date the invoice was paid.
 - **taxLabel1** *string* -- The default label of tax one for invoices created for this company.
 - **taxLabel2** *string* -- The default label of tax two for invoices created for this company.
 - **taxRate1** *real* -- The default rate of tax one for invoices created for this company.
 - **taxRate2** *real* -- The default rate of tax two for invoices created for this company.
 - **totalPaid** *real* -- The amount that has been paid against this invoice.
 - **subtotalCost** (r/o) *real* -- The subtotal of the invoice.
 - **userCompany** (r/o) [company](#) -- The company sending the invoice.
 - **totalCost** (r/o) *real* -- The total cost of the invoice (subtotal + taxes).
 - **isEveryServiceFlatRate** (r/o) *boolean* -- Indicates whether this all the invoice's services are flat fee.
 - **isAnyServiceTimeBasedRate** (r/o) *boolean* -- Indicates whether this any of this invoice's services are time-based.
 - **totalDue** (r/o) *real* -- The amount due on this invoice (totalCost - totalPaid).
 - **tax1Cost** (r/o) *real* -- The total of tax one on this invoice.
 - **tax2Cost** (r/o) *real* -- The total of tax two on this invoice.
 - **hasTax1** (r/o) *boolean* -- Indicates whether this invoice has a label and rate for tax one, and at least one of the services attached to this invoice are taxable for tax one.
 - **hasTax2** (r/o) *boolean* -- Indicates whether this invoice has a label and rate for tax one, and at least one of the services attached to this invoice are taxable for tax one.
- Elements:
 - [service](#) -- by *index, relative, range, test, id*
- **service** -- A service.
 - Plural name:
 - services
 - Properties:
 - **uuid** (r/o) *string* -- The service's unique identifier.
 - **createdAt** (r/o) *date* -- The date at which this service was created.
 - **performanceDate** *date* -- The date the service was performed.
 - **hourlyRate** *real* -- The hourly rate of the service.
 - **notes** *string* -- A verbose description of the service.
 - **quantityCount** *real* -- The quantity count of this service item.
 - **rateType** *string* -- The rate type of the service; either "Time-based" or "Quantity"
 - **summary** *string* -- A short (one line) description of the service.
 - **taxableForTaxOne** *boolean* -- Indicates whether this service is taxable for tax one.
 - **taxableForTaxTwo** *boolean* -- Indicates whether this service is taxable for tax two.
 - **totalFlatFeeCost** *real* -- The flat fee cost of the service. Will be multiplied by quantity count to determine total cost.
 - **totalTimeInSeconds** *integer* -- The total time of this service in seconds.
 - **totalCost** (r/o) *real* -- The total cost of the service.
 - **timeAsHours** (r/o) *string* -- Time of the service in decimal hours; so 1 hour 15 minutes

- would return "1.25".
- **timeAsFormattedString** (r/o) *string* -- Time of the service represented as a formatted string; HH:MM:SS
- **timeAsFormattedStringNoSeconds** (r/o) *string* -- Time of the service represented as a formatted string (no seconds); HH:MM
- **hasBeenInvoiced** (r/o) *boolean* -- Indicates whether this service has been invoiced.
- **client** [company](#) -- The company this service was performed for.
- **invoice** [invoice](#) -- The invoice this service is apart of.
- **company** -- A company.
 - Plural name:
 - companies
 - Properties:
 - **name** *string* -- The company's name.
 - **uuid** (r/o) *string* -- The company's unique identifier.
 - **abbreviation** *string* -- The company's abbreviation. Optionally used in the invoice number format.
 - **addressBookUniqueID** *string* -- The address book unique id that references the address book card that we imported to create this company.
 - **addressLine1** *string* -- Mailing address line one for the company.
 - **addressLine2** *string* -- Mailing address line two for the company.
 - **addressLine3** *string* -- Mailing address line three for the company.
 - **addressLine4** *string* -- Mailing address line four for the company.
 - **attentionTo** *string* -- The name of the person the invoices are addressed to.
 - **createdAt** (r/o) *date* -- The date at which this company was created.
 - **defaultHourlyRate** *real* -- The default hourly rate for services done for this compnay.
 - **emailAddress** *string* -- The company's email address.
 - **footerText** *string* -- The footer text that will appear at the bottom of all invoices for this company.
 - **isCustomer** (r/o) *boolean* -- Is true when the company is a customer in the system.
 - **isTax2CalculatedWithTax1** *boolean* -- If true, the tax two total will be calculated against the subtotal plus tax one total.
 - **nextInvoiceNumber** *integer* -- The next client scoped invoice number
 - **phoneNumber** *string* -- The company's phone number.
 - **showInSidebar** *boolean* -- A boolean flag that determins if this company will be listed in the sidebar.
 - **taxLabel1** *string* -- The default label of tax one for invoices created for this company.
 - **taxLabel2** *string* -- The default label of tax two for invoices created for this company.
 - **taxRate1** *real* -- The default rate of tax one for invoices created for this company.
 - **taxRate2** *real* -- The default rate of tax two for invoices created for this company.
 - **webAddress** *string* -- The company's web address.
 - **defaultInvoiceDueDate** *integer* -- The number of days from invoice creation invoices for this client will be due (by default).
 - **defaultInvoiceDueOnReciept** *boolean* -- Indicates whether the invoices created by this client are (by default) due on receipt.
 - Elements:
 - [service](#) -- by *index, relative, range, test, id*

Type Definitions

Records used in scripting Billable

Classes

- **print settings**
 - Properties:
 - **copies** *integer* -- the number of copies of a document to be printed

- **collating** *boolean* -- Should printed copies be collated?
- **starting page** *integer* -- the first page of the document to be printed
- **ending page** *integer* -- the last page of the document to be printed
- **pages across** *integer* -- number of logical pages laid across a physical page
- **pages down** *integer* -- number of logical pages laid out down a physical page
- **error handling** *standard / detailed* -- how errors are handled
- **fax number** *string* -- for fax number
- **target printer** *string* -- for target printer